

Gmelin Handbook of Inorganic Chemistry

8th Edition

INDEX

Formula Index

2nd Supplement Volume 5

C₁₂-C_{16.5}

54.4073
9569(8)
E:5-C2

Gmelin Handbook of Inorganic Chemistry

8th Edition

INDEX

Formula Index

2nd Supplement Volume 5

C₁₂-C_{16.5}

AUTHORS

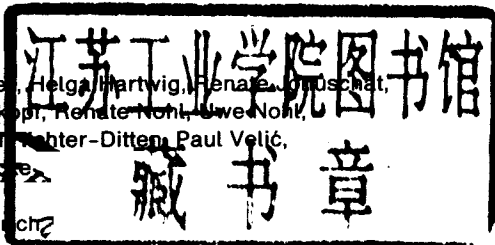
Rainer Bohrer, Helga Hartwig, Renate Jungschat,
Bernd Kalbskopf, Renate Nohl, Uwe Nohl,
Hans-Jürgen Richter-Ditten, Paul Velić,
Kurt W. Wehner

SYSTEM SUPPORT

Gottfried Olbrich

CHIEF EDITOR

Helga Hartwig



Springer-Verlag

Berlin · Heidelberg · New York · London · Paris · Tokyo

1989

THE VOLUMES OF THE GMELIN HANDBOOK ARE EVALUATED FROM 1980 THROUGH 1987

Library of Congress Catalog Card Number: Agr 25-1383

ISBN 3-540-93588-6 Springer-Verlag, Berlin · Heidelberg · New York · London · Paris · Tokyo
ISBN 0-387-93588-6 Springer-Verlag, New York · Heidelberg · Berlin · London · Paris · Tokyo

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically those of translation, reprinting, reuse of illustrations, broadcasting, reproduction by photocopying machine or similar means, and storage in data banks. Under § 54 of the German Copyright Law where copies are made for other than private use, a fee is payable to "Verwertungsgesellschaft Wort", Munich.

© by Springer-Verlag, Berlin · Heidelberg · New York · Paris · London · Tokyo 1988
Printed in Germany

The use of registered names, trademarks, etc., in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Typesetting, printing, and bookbinding: Universitätsdruckerei H. Stürtz AG, Würzburg

Gmelin-Institut für Anorganische Chemie
der Max-Planck-Gesellschaft zur Förderung der Wissenschaften

ADVISORY BOARD

Dr. G. Breil, Chairman (Ruhrchemie AG, Oberhausen-Holten), Prof. Dr. K. Dehnicke (Philipps-Universität, Marburg), Prof. Dr. N. N. Greenwood (University of Leeds), Prof. Dr. H. Grünewald (Bayer AG, Leverkusen), Prof. Dr. H. Harnisch (Hoechst AG, Frankfurt/Main-Höchst), Prof. Dr. H. Nöth (Universität München), Prof. Dr. H. Offermanns (Degussa AG, Frankfurt/Main), Prof. Dr. G. zu Putlitz (Universität Heidelberg), Prof. Dr. A. Rabenau (Max-Planck-Institut für Festkörperforschung, Stuttgart), Prof. Dr. A. Simon (Max-Planck-Institut für Festkörperforschung, Stuttgart), Prof. Dr. Dr. A. H. Staab (Präsident der Max-Planck-Gesellschaft, München), Prof. Dr. Dr. h.c. mult. G. Wilke (Max-Planck-Institut für Kohlenforschung, Mülheim/Ruhr)

DIRECTOR

Prof. Dr. Dr. h.c. Ekkehard Fluck

DEPUTY DIRECTOR

Dr. W. Lippert

CORRESPONDENT MEMBERS OF THE SCIENTIFIC STAFF

Dr. B. Baker, Dr. P. L. Bayless,
Dr. V. Haase, Dr. E. F. Hockings,
Dipl.-Ing. G. Kirschstein,
Dr. W. F. McNamara, Dr. K. Rumpf

EMERITUS MEMBER OF THE INSTITUTE

Prof. Dr. Dr. E.h. Margot Becke

CORRESPONDENT MEMBERS OF THE INSTITUTE

Prof. Dr. Hans Bock
Prof. Dr. Dr. Alois Haas, Sc. D. (Cantab.)

GMELIN HANDBOOK

CHIEF EDITORS

Dr. K.-C. Buschbeck — Dr. H. Bergmann, J. Füssel, H. Hartwig, Dr. H. Katscher, Dr. R. Keim, Dr. E. Koch, Dipl.-Phys. D. Koschel, Dr. U. Krüerke, Dr. P. Mertel, Dr. E. Schleitzer-Rust, Dr. F. Schröder, Dr. A. Slawisch, Dr. W. Töpfer

STAFF

Dr. G. Bär, D. Barthel, Dr. N. Baumann, Dr. W. Behrendt, D. Benzaid, Dr. L. Berg, Dr. R. Bohrer, K. D. Bonn, P. Born-Heck, Dipl.-Ing. V. A. Chavizon, E. Cloos, Dipl.-Phys. G. Czack, I. Deim, Dipl.-Chem. H. Demmer, U. Dietz, Dipl.-Geol. R. Ditz, R. Dowideit, Dipl.-Chem. M. Dröbmar, U. Duggen, Dr. H.-J. Fachmann, Dr. J. Faust, B. Fischer, G. Funk, Dipl.-Ing. N. Gagel, Dr. D. Germeshausen, Dr. U. W. Gerwarth, Dipl.-Phys. D. Gras, Dipl.-Bibl. W. Grieser, Dr. I. Haas, R. Hanz, Dr. R. Haubold, B. Heibel, Dipl.-Min. H. Hein, A. Heise-Schuster, H.-P. Hente, H. W. Herold, U. Hettwer, Dr. R. Heumüller, Dr. G. Hönes, Dr. W. Hoffmann, Dr. W. Huisl, B. Jaeger, Dr. R. Jotter, Dr. J. von Jouanne, Dr. B. Kalbskopf, Dipl.-Chem. W. Karl, H.-G. Karrenberg, Dipl.-Phys. H. Keller-Rudek, B. Kirchner, P. Klauck, Dipl.-Chem. C. Koepfel, R. Kolb, Dr. M. Kotowski, E. Kranz, Dipl.-Chem. I. Kreuzbichler, Dr. A. Kubny, Dr. W. Kurtz, M. Langer, Dr. U. Lanzendörfer, Dr. B. Ledü, Dr. A. Leonard, H. Mathis, E. Meinhard, M. Meßer, C. Metz, K. Meyer, Dr. M. Mirbach, Dipl. Chem. B. Mohsin, Dr. U. Neu-Becker, K. Nöring, Dipl.-Min. U. Nohl, Dr. U. Ohms-Bredemann, Dr. W. Petz, I. Rangnow, Dipl.-Phys. H.-J. Richter-Ditten, E. Rieth, E. Rudolph, G. Rudolph, Dipl.-Chem. S. Ruprecht, Dr. B. Sarbas, Dr. H. Schäfer, Dr. R. Schemm, Dr. B. Schiöberg, V. Schlicht, Dipl.-Chem. D. Schneider, Dipl.-Min. P. Schubert, A. Schwärzel, Dr. B. Schwager, Dipl.-Ing. H. M. Somer, G. Strauss, Dr. G. Swoboda, Dr. U. Taubald, M. Teichmann, Dr. D. Tille, Dipl.-Chem. P. Velić, Dipl.-Ing. U. Vetter, H.-M. Wagner, Dipl.-Phys. J. Wagner, R. Wagner, Dr. E. Warkentin, Dr. C. Weber, Dr. A. Wietelmann, Dr. M. Winter, Dr. B. Wöbke, K. Wotff

GMELIN ONLINE

EXECUTIVE MANAGER

Dr. R. Deplanque

HEAD OF DEPARTMENT

Dr. P. Kuhn, Dr. G. Olbrich

STAFF

Dr. R. Baier, Dr. B. Becker, Dipl.-Chem. E. Best, Dipl.-Phys. R. Bost, Dr. A. Brandt, Dr. R. Braun, Dipl.-Chem. R. Durban, Dr. A. Kirchhoff, Dipl.-Chem. H. Köttelwech, W. Korba, Dr. M. Kunz, Dr. A. Nebel, Dipl.-Chem. R. Nohl, Dr. B. Rempfer, Dr. K. Schücke, U. Tölle, Dipl.-Ing. H. Vanecek

The following Gmelin Formula Index volumes have been published up to now:

Formula Index

Volume 1	Ac-Au
Volume 2	B-Br ₂
Volume 3	Br ₃ -C ₃
Volume 4	C ₄ -C ₇
Volume 5	C ₈ -C ₁₂
Volume 6	C ₁₃ -C ₂₃
Volume 7	C ₂₄ -Ca
Volume 8	Cb-Cl
Volume 9	Cm-Fr
Volume 10	Ga-I
Volume 11	In-Ns
Volume 12	Ö-Zr
Elements 104-132	

Formula Index 1st Supplement

Volume 1	Ac-Au
Volume 2	B-B _{1,9}
Volume 3	B ₂ -B ₁₀₀
Volume 4	Ba-C ₇
Volume 5	C ₈ -C ₁₇
Volume 6	C ₁₈ -C _x
Volume 7	Ca-I
Volume 8	In-Zr
Elements 104-120	

Formula Index 2nd Supplement

Volume 1	Ac-B _{1,9}
Volume 2	B ₂ -Br _x
Volume 3	C-C _{6,9}
Volume 4	C ₇ -C _{11,4}
Volume 5	C ₁₂ -C _{16,5} (present volume)

Preface

The Gmelin Formula Index and its First Supplement covered those volumes of the Eighth Edition of the Gmelin Handbook which had been issued up to the end of 1979.

The present Second Supplement updates the Index by inclusion of the volumes which appeared up to the end of 1987. With this Second Supplement all compounds described in the Gmelin Handbook of Inorganic Chemistry in the period between 1924 and 1987 can be located. The basic structure of the Formula Index remains the same as in the previous editions.

Computer techniques were employed in the preparation and print of the Second Supplement. The data acquisition, sorting, and further data handling were performed with the aid of a series of computer programs developed by staff members of the former "Online Group" of the Gmelin Institute, now at Chemplex GmbH, and by the printer "Universitätsdruckerei H. Stürtz AG, Würzburg".

Whereas the Handbook itself will continue to appear in printed form, the present Second Supplement of the Index is intended to be the last one issued in print. The cumulated contents of the Index and its Supplements are contained in the Gmelin Formula Index (GFI) database which is available to the scientific community via STN. This database will be updated annually to include the published Handbook volumes.

Frankfurt am Main
April 1989

Helga Hartwig

Instructions for the Formula Index

First Column (Empirical Formula)

The empirical formulas are arranged by alphabetical order of the element symbols and by increasing values of the subscripts. Any indefinite subscripts are placed at the end. Ions always appear after the neutral species, positive ions precede the negative ones.

H₂O is included in the empirical formula only if it is an integral part of a complex, as written in the second column. Compounds which are isolated only as solvates are found under the empirical formulas both including the solvent molecule and excluding it. Multicomponent systems (solid solutions, melts, etc.) are listed under the empirical formulas of their respective components. However, solutions are found only under the solute. Polymers of type (AB)_n are listed under AB.

Second Column (Conventional Formula)

The second column presents a structural formula as it is usually given in the handbook text. In many cases, however, another form is shown if additional structural features could be detailed. For the elements, the elemental names are given.

Entries with the same empirical formula but different structural formulas are arranged in the following order: elements or compounds, isotopic species, polymers, hydrates, and multicomponent systems.

For multicomponent systems the components are arranged in the sequence: inorganic components – organic components – water. The inorganic components are arranged alphabetically, and the organic components by the number of carbon atoms. If a component is a single element it is always represented by the unsubscripted symbol. The term "system" is used in a restricted sense in this index: it represents equilibrium mixtures described by phase diagrams or sometimes by, e.g., eutectic points.

Elements and compounds treated extensively in the handbook are subdivided by topics, e.g., physical properties, preparation, electrochemical behavior, or toxicity.

Third Column (Volume and Page Numbers)

The first symbol is the element which is treated in a given volume, followed by an abbreviated form of the type of volume, including the Part or Section. The page numbers are given after a hyphen. The following abbreviations are used for the type of volume:

MVol.	Main Volume (Hauptband)
SVol.	Supplement Volume (Ergänzungsband)
Org. Comp.	Organic Compounds
Org. Verb.	Organische Verbindungen
PFHOrg.	Perfluorhalogenoorganic Compounds of Main Group Elements
SVol.GD	Gmelin-Durrer, Metallurgy of Iron
Biol.Med.Ph.	Bor in Biologie, Medizin und Pharmazie

Volume descriptors like "1st Suppl. Vol. 2" are abbreviated as "SVol. 1/2". For instance, the entry "B: B Comp.SVol. 1/2-345" indicates that the information can be found on page 345 of the boron volume: Boron Compounds 1st Suppl. Vol. 2.

C₁₂ - C_{16.5}

C ₁₂ CaH ₁₈ O ₁₆ U ₂	Ca[UO ₂ (CH ₃ COO) ₃] ₂ · 6 H ₂ O	U: SVol.C13-127, 134
C ₁₂ Ca ₃ Mn ₂ N ₁₂	Ca ₃ [Mn(CN) ₆] ₂	Mn: MVol.D2-245/6
C ₁₂ CdCl ₂ H ₈ N ₄ S ₂	(SN ₂ C ₆ H ₄) ₂ · CdCl ₂	S: S-N Comp.3-217
C ₁₂ CdF ₁₀	(C ₆ F ₅) ₂ Cd	F: PFHOrg.SVol.1-22
C ₁₂ CdF ₁₀ S ₂	Cd[SC ₆ F ₅] ₂	F: PFHOrg.SVol.2-263/4
C ₁₂ CdFeH ₁₆ O ₆	[Cd(C ₄ H ₈ O) ₂ Fe(CO) ₄] _n	Fe: Org.Comp.C7-95, 97
C ₁₂ Cd ₃ Mn ₂ N ₁₂	Cd ₃ [Mn(CN) ₆] ₂ · 6 H ₂ O	Mn: MVol.D2-246
-	Cd ₃ [Mn(CN) ₆] ₂ · 15 H ₂ O	Mn: MVol.D2-246/7
C ₁₂ Cd ₃ N ₁₂ Rh ₂	Cd ₃ [Rh(CN) ₆] ₂ · 12 H ₂ O	Rh: SVol.B1-192
C ₁₂ CeCl ₂ H ₁₂ Na ₅ O ₂₃	Na ₃ [Ce(O(CH ₂ COO) ₂)] ₃ · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-187, 188/91
C ₁₂ CeCl ₂ H ₃₆ O ₆ S ₆ ²⁺	[CeCl ₂ ((CH ₃) ₂ SO) ₆] ₂ ²⁺	Sc: MVol.D4-16
C ₁₂ CeCl ₃ H ₁₂ N ₂	Ce(NH ₂ (C ₆ H ₄) ₂ NH ₂)Cl ₃ · 2 C ₄ H ₈ O	Sc: MVol.D1-26
C ₁₂ CeCl ₃ H ₁₂ N ₄ O ₂	CeCl ₃ · 2 NC ₅ H ₄ CONH ₂ · n H ₂ O	Sc: MVol.D2-203/4
C ₁₂ CeCl ₃ H ₁₄ N ₆ O ₂	CeCl ₃ · 2 [4-H ₂ NNHC(O)C ₆ H ₄ N] · 2 H ₂ O	Sc: MVol.D2-250
C ₁₂ CeCl ₃ H ₁₆ N ₄	Ce(C ₆ H ₅ NHNH ₂) ₂ Cl ₃ · H ₂ O	Sc: MVol.D1-15
C ₁₂ CeCl ₃ H ₁₈ N ₄ O	[Ce(C ₆ H ₅ NHNH ₂) ₂ (H ₂ O)Cl]Cl ₂	Sc: MVol.D1-15
C ₁₂ CeCl ₃ H ₂₄ N ₈	CeCl ₃ · 2 (CH ₂) ₆ N ₄ · 14 H ₂ O	Sc: MVol.D1-87
C ₁₂ CeCl ₃ H ₂₄ N ₈ O ₂₀	Ce(ClO ₄) ₃ · 4 H ₂ NC(O)NHC(O)CH ₃	Sc: MVol.D2-241/3
C ₁₂ CeCl ₃ H ₂₄ O ₁₆ S ₂	Ce[S(C ₂ H ₄ OC ₂ H ₄ OC ₂ H ₄) ₂ S](ClO ₄) ₃ · H ₂ O	Sc: MVol.D4-103/5
C ₁₂ CeCl ₃ H ₂₇ OP	CeCl ₃ · (C ₄ H ₉) ₃ PO	Sc: MVol.D4-120
C ₁₂ CeCl ₃ H ₃₀ O ₃	CeCl ₃ · 3 n-C ₄ H ₉ OH	Sc: MVol.D3-26
-	CeCl ₃ · 3 i-C ₄ H ₉ OH	Sc: MVol.D3-27
-	CeCl ₃ · 3 t-C ₄ H ₉ OH	Sc: MVol.D3-28
C ₁₂ CeCl ₄ H ₃₆ N ₆ O ₂ P ₂	CeCl ₄ · 2 OP[N(CH ₃) ₂] ₃	Sc: MVol.D4-218/9
C ₁₂ CeCl ₆ H ₁₆ N ₂	(CH ₃ C ₅ H ₄ NH) ₂ CeCl ₆	Sc: MVol.C4b-127
C ₁₂ CeCl ₆ H ₃₈ N ₆ O ₂ P ₂	H ₂ CeCl ₆ · 2 OP[N(CH ₃) ₂] ₃	Sc: MVol.D4-219
C ₁₂ CeCs ₃ H ₁₀ O ₁₄	Cs ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂] · x H ₂ O	Sc: MVol.D5-354/5
C ₁₂ CeH ₈ N ₂ O ₄ ⁺	Ce(NC ₅ H ₄ COO) ₂ ⁺	Sc: MVol.D1-216/7
C ₁₂ CeH ₉ O ₁₂	Ce(HC ₂ H ₂ (COO) ₂) ₃ · 7 H ₂ O	Sc: MVol.D5-203
C ₁₂ CeH ₁₀ K ₃ O ₁₄	K ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂]	Sc: MVol.D5-354/5
-	K ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂] · 3 H ₂ O	Sc: MVol.D5-354/5
-	K ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂] · x H ₂ O	Sc: MVol.D5-354/5
C ₁₂ CeH ₁₀ Li ₃ O ₁₄	Li ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂] · x H ₂ O	Sc: MVol.D5-354/5
C ₁₂ CeH ₁₀ Na ₃ O ₁₄	Na ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂] · 3 H ₂ O	Sc: MVol.D5-354/5
-	Na ₃ [Ce(HOC(CH ₂ COO) ₂ COO) ₂] · x H ₂ O	Sc: MVol.D5-354/5
C ₁₂ CeH ₁₀ Na ₄ O ₁₅	Na ₄ [CeO(HOC(CH ₂ COO) ₂ COO) ₂] · 3 H ₂ O	Sc: MVol.D5-355

$C_{12}CeH_{10}NdO_{14}$	$Ce[Nd(HOC(CH_2COO)_2COO)_2] \cdot 3 H_2O$	Sc: MVol.D5-354/5
$C_{12}CeH_{10}O_8^+$	$[Ce(HOCH_2C_5H_2O_3)_2]^+$	Sc: MVol.D3-291/3
$C_{12}CeH_{10}O_{12}S_2^{3-}$	$Ce[OOCCH_2SCH(COO)CH_2COO)_2]^{3-}$	Sc: MVol.D4-66/7
$C_{12}CeH_{10}O_{14}^{3-}$	$[Ce(HOC(CH_2COO)_2COO)_2]^{3-}$	Sc: MVol.D5-350
$C_{12}CeH_{10}O_{14}^{3-}$	$[Ce(HOC(CH_2COO)_2COO)_2]^{3-}$	Sc: MVol.D5-344/51
$C_{12}CeH_{10}O_{14}Rb_3$	$Rb_3[Ce(HOC(CH_2COO)_2COO)_2] \cdot x H_2O$	Sc: MVol.D5-354/5
$C_{12}CeH_{11}NO_3^+$	$Ce(CH_3COCH(CH_3)NC_6H_4COO)^+$	Sc: MVol.D2-62/3
$C_{12}CeH_{11}N_2O_2^{2+}$	$[Ce(NC_5H_4CH(O)CH(OH)C_5H_4N)]^{2+}$	Sc: MVol.D2-7
$C_{12}CeH_{11}O_{14}^{2-}$	$[CeH(HOC(CH_2COO)_2COO)_2]^{2-}$	Sc: MVol.D5-344/51
$C_{12}CeH_{12}I_3N_6O_3$	$CeI_3 \cdot 3 N(CHCH)_2NO \cdot 8 H_2O$	Sc: MVol.D2-166/9
$C_{12}CeH_{12}N_2O_{12}^{3-}$	$Ce[N(CH_2COO)_3]_2^{3-}$	Sc: MVol.D1-137/42
$C_{12}CeH_{12}N_9O_{12}$	$Ce(NO_3)_3 \cdot 3 N(CHCH)_2NO$	Sc: MVol.D2-166/9
$C_{12}CeH_{12}Na_3O_{15}$	$Na_3[Ce(O(CH_2COO)_2)_3] \cdot 9 H_2O$	Sc: MVol.D5-187/8
$C_{12}CeH_{12}O_{12}S_3^{3-}$	$[Ce(OOCCH_2SCH(CH_2COO)_3)]^{3-}$	Sc: MVol.D4-57
$C_{12}CeH_{12}O_{14}^-$	$[H_2Ce(HOC(CH_2COO)_2COO)_2]^-$	Sc: MVol.D5-344/51
$C_{12}CeH_{12}O_{15}^{3-}$	$[Ce(O(CH_2COO)_2)_3]^{3-}$	Sc: MVol.D5-181/5, 188
-	$[Ce(OOCCH_2CHOHCOO)_3]^{3-}$	Sc: MVol.D5-318/21
$C_{12}CeH_{13}NO_3^+$	$[Ce(OC_6H_4CHNCH(i-C_3H_7)COO)]^+$	Sc: MVol.D2-29
$C_{12}CeH_{13}O_{14}$	$H_3Ce(HOC(CH_2COO)_2COO)_2 \cdot x H_2O$	Sc: MVol.D5-347, 354
$C_{12}CeH_{14}N_3O_{10}^{2-}$	$Ce[N(CH_2COO)(CH_2N(CH_2COO)_2)_2]^{2-}$	Sc: MVol.D1-198
$C_{12}CeH_{14}N_9O_{11}$	$Ce(CH_3CONHC_4H_3N_2)_2(NO_3)_3$	Sc: MVol.D2-198
$C_{12}CeH_{15}N_3O_{12}^{3-}$	$[Ce(OOCCH_2CH(NH_2)COO)_3]^{3-}$	Sc: MVol.D1-109
$C_{12}CeH_{16}N_2O_8^-$	$Ce[(CH(CH_3)N(CH_2COO)_2)_2]^-$	Sc: MVol.D1-193
-	$Ce[C_2H_4(NHCH(COO)C_2H_4COO)_2]^-$	Sc: MVol.D1-208
-	$[Ce(C_2H_4N_2(CH(CH_3)COO)_2(CH_2COO)_2)]^-$	Sc: MVol.D1-181
-	$Ce[C_2H_5C_2H_3(N(CH_2COO)_2)_2]^-$	Sc: MVol.D1-192
-	$Ce[N(CH_2COO)_2C(CH_3)_2CH_2N(CH_2COO)_2]^-$	Sc: MVol.D1-192
$C_{12}CeH_{16}N_2O_8S^-$	$[Ce(S(C_2H_4N(CH_2COO)_2)_2)]^-$	Sc: MVol.D4-68
$C_{12}CeH_{16}N_2O_9^-$	$[Ce(O(C_2H_4N(CH_2COO)_2)_2)]^-$	Sc: MVol.D1-195/6
$C_{12}CeH_{16}O_{12}^-$	$[Ce(C_2H_4(OCH_2COO)_2)_2]^-$	Sc: MVol.D5-193/5
$C_{12}CeH_{17}N_2O_8S$	$Ce[S(C_2H_4N(CH_2COO)_2)_2H] \cdot 2 H_2O$	Sc: MVol.D1-197
$C_{12}CeH_{17}O_{12}$	$CeH(C_2H_4(OCH_2COO)_2)_2$	Sc: MVol.D5-193/5
$C_{12}CeH_{18}K_3O_{12}$	$K_3[Ce(CH_3COO)_6] \cdot 5 H_2O$	Sc: MVol.D5-49
$C_{12}CeH_{18}N_2O_{10}^-$	$[Ce(HOC_2H_4N(CH_2COO)_2)_2]^-$	Sc: MVol.D1-128/9
$C_{12}CeH_{18}N_3O_{12}$	$Ce[HOOCCH_2CH(NH_2)COO)_3] \cdot 3 H_2O$	Sc: MVol.D1-110
$C_{12}CeH_{18}O_6^+$	$[Ce((CH_2)_4C(OH)COO)_2]^+$	Sc: MVol.D5-278/9
$C_{12}CeH_{18}O_{12}^{3-}$	$[Ce(CH_3COO)_6]^{3-}$	Sc: MVol.D5-25/6
$C_{12}CeH_{20}Li$	$Li[Ce(CH_2CHCH_2)_4]$	Sc: MVol.D6-149
$C_{12}CeH_{20}N_3O_{13}$	$Ce[HOC_2H_4N(CH_2COO)_2H]_2(NO_3) \cdot 4 H_2O$	Sc: MVol.D1-129/30
$C_{12}CeH_{20}N_4O_8^-$	$Ce[C_2H_4(NHCH_2COO)_2]_2^-$	Sc: MVol.D1-148/9
$C_{12}CeH_{20}O_{12}^-$	$[Ce(H_3CCHOHCOO)_4]^-$	Sc: MVol.D5-250/5
$C_{12}CeH_{21}N_6O_{12}$	$Ce[H_2NN(CH_2COO)_2H]_3$	Sc: MVol.D1-244
-	$Ce[H_2NN(CH_2COO)_2H]_3 \cdot 5 H_2O$	Sc: MVol.D1-243/4
$C_{12}CeH_{21}O_6$	$Ce(n-C_3H_7COO)_3$	Sc: MVol.D5-80
-	$Ce(n-C_3H_7COO)_3 \cdot 1.5 H_2O$	Sc: MVol.D5-80/1
-	$Ce(i-C_3H_7COO)_3$	Sc: MVol.D5-84
$C_{12}CeH_{21}O_6S_3$	$Ce(SC_2H_4COOCH_3)_3$	Sc: MVol.D4-59
$C_{12}CeH_{21}O_9$	$Ce((CH_3)_2C(OH)COO)_3$	Sc: MVol.D5-261/6
$C_{12}CeH_{21}O_{12}$	$Ce(HOCH_2C(OH)(CH_3)COO)_3$	Sc: MVol.D5-268/9
$C_{12}CeH_{21}O_{15}$	$Ce(HOC(CH_2OH)_2COO)_3$	Sc: MVol.D5-268/9

$C_{12}ClCuH_{22}Mg$

$C_{12}CeH_{22}N_3O_{14}$	$(NH_4)_3[Ce(HOC(CH_2COO)_2COO)_2] \cdot 3 H_2O$	Sc: MVol.D5-354/5
$C_{12}CeH_{22}O_8^+$	$[Ce(n-C_3H_7C(OH)(CH_3)COO)_2]^+$	Sc: MVol.D5-273
$C_{12}CeH_{22}O_8^+$	$[Ce(H_3C(C(OH)CH_3)_2COO)_2]^+$	Sc: MVol.D5-272
$C_{12}CeH_{24}N_2O_8^+$	$[Ce(N(C_2H_4OH)_2CH_2COO)_2]^+$	Sc: MVol.D1-107
$C_{12}CeH_{24}N_2O_8^{2+}$	$[Ce(N(C_2H_4OH)_2CH_2COO)_2]^{2+}$	Sc: MVol.D1-107
$C_{12}CeH_{24}N_3O_{15}$	$Ce(NO_3)_3 \cdot (OC_2H_4)_6$	Sc: MVol.D3-277/8
$C_{12}CeH_{24}N_{11}O_9$	$Ce(NO_3)_3 \cdot 2 (CH_2)_6N_4 \cdot 8 H_2O$	Sc: MVol.D1-87
$C_{12}CeH_{26}O_4P^+$	$Ce[(C_6H_{13}O)_2PO_2]^+$	Sc: MVol.D4-178
$C_{12}CeH_{27}N_3O_{10}P$	$Ce(NO_3)_3 \cdot (C_4H_9)_3PO$	Sc: MVol.D4-120
$C_{12}CeH_{28}N_4O_{16}Re_3$	$Ce(ReO_4)_3 \cdot 4 HCON(CH_3)_2$	Sc: MVol.D2-186
$C_{12}CeH_{28}O_4$	$Ce(n-C_3H_7O)_4$	Sc: MVol.D3-21
-	$Ce(i-C_3H_7O)_4$	Sc: MVol.D3-22, 24
$C_{12}CeH_{30}N_3O_{12}$	$(NH_4)_3[Ce(CH_3COO)_6] \cdot H_2O = (NH_4)_3$ $[CeO(CH_3COO)_4] \cdot 2 CH_3COOH$	Sc: MVol.D5-49/50
$C_{12}CeH_{30}O_9P_3$	$Ce(CH_3P(O)_2OC_3H_7-i)_3$	Sc: MVol.D4-158/9
$C_{12}CeH_{32}N_3O_{13}$	$(NH_4)_3[CeO(CH_3COO)_4] \cdot 2 CH_3COOH$ $= (NH_4)_3[Ce(CH_3COO)_6] \cdot H_2O$	Sc: MVol.D5-49/50
$C_{12}CeH_{33}O_9P_3$	$Ce(HP(O)(OH)OC_4H_9)_3$	Sc: MVol.D4-157/8
$C_{12}CeH_{36}N_4O_8S_2$	$Ce(SO_4)_2 \cdot 4 C_3H_7NH_2$	Sc: MVol.D1-19
$C_{12}Ce_2Cl_2H_{25}N_3O_{16}$	$[Ce_2H_2(NH(CH_2COO)_2)_3(H_2O)_4]Cl_2 \cdot 3 H_2O$	Sc: MVol.D1-125/6
$C_{12}Ce_2H_6O_{12}$	$Ce_2(C_2H_2(COO)_2)_3$	Sc: MVol.D5-202
-	$Ce_2(C_2H_2(COO)_2)_3 \cdot 5 H_2O$	Sc: MVol.D5-198/9, 202
-	$Ce_2(C_2H_2(COO)_2)_3 \cdot 6 H_2O$	Sc: MVol.D5-198/9
$C_{12}Ce_2H_{12}N_2O_{14}$	$[N(CH_2COO)_3CeO]_2$	Sc: MVol.D1-142
$C_{12}Ce_2H_{12}O_{12}$	$Ce_2(CH_3CH(COO)_2)_3 \cdot 4 H_2O$	Sc: MVol.D5-165
-	$Ce_2(C_2H_4(COO)_2)_3$	Sc: MVol.D5-171/2
-	$Ce_2(C_2H_4(COO)_2)_3 \cdot H_2O$	Sc: MVol.D5-171/2
-	$Ce_2(C_2H_4(COO)_2)_3 \cdot 3 H_2O$	Sc: MVol.D5-171/2
-	$Ce_2(C_2H_4(COO)_2)_3 \cdot 4 H_2O$	Sc: MVol.D5-171/2
-	$Ce_2(C_2H_4(COO)_2)_3 \cdot 5 H_2O$	Sc: MVol.D5-171/2
$C_{12}Ce_2H_{12}O_{15}$	$Ce_2(O(CH_2COO)_2)_3$	Sc: MVol.D5-186
-	$Ce_2(O(CH_2COO)_2)_3 \cdot 9 H_2O$	Sc: MVol.D5-186
$C_{12}Ce_2H_{12}O_{18}$	$Ce_2(OOC(CHOH)_2COO)_3$	Sc: MVol.D5-333
-	$Ce_2(OOC(CHOH)_2COO)_3 \cdot 2 H_2O$	Sc: MVol.D5-335/6
-	$Ce_2(OOC(CHOH)_2COO)_3 \cdot 3 H_2O$	Sc: MVol.D5-335/6
-	$Ce_2(OOC(CHOH)_2COO)_3 \cdot 6 H_2O$	Sc: MVol.D5-335/6
-	$Ce_2(OOC(CHOH)_2COO)_3 \cdot 7 H_2O$	Sc: MVol.D5-335/6
$C_{12}Ce_2H_{14}O_{14}$	$Ce_2(OH)_2(C_2H_4(COO)_2)_3 \cdot 2 H_2O$	Sc: MVol.D5-173
$C_{12}Ce_2H_{18}O_{13}$	$Ce_2O(CH_3COO)_6$	Sc: MVol.D5-52
$C_{12}Ce_2H_{36}O_{24}P_6$	$Ce_2[(CH_3O)_2PO_2]_6 \cdot H_2O$	Sc: MVol.D4-180
$C_{12}Ce_4H_6O_{18}$	$Ce_4(OOCCH(O)CH(O)COO)_3 \cdot 14 H_2O$	Sc: MVol.D5-337
$C_{12}ClCuF_{10}Mg$	$(C_6F_5)_2CuMgCl$	Cu: Org.Comp.2-214
$C_{12}ClCuH_8N_2O_6$	$[(CO)_2CuC_{10}H_8N_2]ClO_4$	Cu: Org.Comp.3-211
$C_{12}ClCuH_{12}N_2O_4$	$[CH_2CH_2Cu(NC_5H_4C_5H_4N)](ClO_4)$	Cu: Org.Comp.4-26, 30/1
$C_{12}ClCuH_{13}N_3O_4$	$[CH_2CH_2Cu(HN(C_5H_4N)_2)](ClO_4)$	Cu: Org.Comp.4-26, 30/1
$C_{12}ClCuH_{16}Mg$	$[C_6H_5C(C_2H_5)CH](C_2H_5)CuMgCl$	Cu: Org.Comp.2-227, 230, 233/5
$C_{12}ClCuH_{18}$	$c-1,5,9-C_{12}H_{18}CuCl$	Cu: Org.Comp.4-84
$C_{12}ClCuH_{22}Mg$	$(c-C_6H_{11})_2CuMgCl$	Cu: Org.Comp.2-214, 217/22

C ₁₂ ClCuH ₂₂ Mg	[(CH ₃) ₂ CCH(CH ₂) ₂] ₂ CuMgCl	Cu: Org. Comp. 2-214, 217/22 225/6
C ₁₂ ClCuH ₂₄ Mg	[CH ₂ CH(CH ₂) ₅](CH ₃)CuMgCl	Cu: Org. Comp. 2-230, 233/5
-	[n-C ₄ H ₉ C(C ₃ H ₇ -i)CH](i-C ₃ H ₇)CuMgCl	Cu: Org. Comp. 2-227, 230, 233/5
C ₁₂ ClCuH ₂₈ N ₂ O ₄	[c-C ₆ H ₁₀ Cu(CH ₃) ₂ NCH ₂ CH ₂ N(CH ₃) ₂](ClO ₄)	Cu: Org. Comp. 4-29
C ₁₂ ClCuH ₂₈ N ₂ O ₄	[CH ₂ CH ₂ Cu(C ₂ H ₅) ₂ NCH ₂ CH ₂ N(C ₂ H ₅) ₂](ClO ₄)	Cu: Org. Comp. 4-26
C ₁₂ ClCu ₂ H ₂₇ Mg	(n-C ₄ H ₉) ₃ Cu ₂ MgCl	Cu: Org. Comp. 4-107
C ₁₂ ClDyH ₁₀ N ₄ O ₂	Dy(ONCHC ₆ H ₄ N) ₂ Cl · 2 H ₂ O	Sc: MVol. D2-101
C ₁₂ ClErH ₁₄	Er(C ₆ H ₄ CH ₃) ₂ Cl	Sc: MVol. D6-237, 241
C ₁₂ ClEuH ₁₀ N ₄ O ₂	Eu(ONCHC ₆ H ₄ N) ₂ Cl · 2 H ₂ O	Sc: MVol. D2-101
C ₁₂ ClF ₂ H ₈ Sb	(FC ₆ H ₄) ₂ SbCl	Sb: Org. Comp. 2-15
C ₁₂ ClF ₃ H ₁₀ N ₂ O ₃	[C ₆ H ₃ ClOC(NCF ₃)N(CH ₂ COOC ₂ H ₅)]	F: PFH Org. 9-152/3
C ₁₂ ClF ₃ H ₃₈ N ₆ P ₃ Rh	Rh ⁺ PF(N(CH ₃) ₂) ₂ Cl	Rh: SVol. B3-78
-	Rh(PF ₃)[P(N(CH ₃) ₂) ₃] ₂ Cl	Rh: SVol. B3-75
C ₁₂ ClF ₅ H ₁₂ S	C ₆ F ₅ SCH ₂ CHClC ₄ H ₉ -n	F: PFH Org. SVol. 2-137
-	ClCH ₂ CH(SC ₆ F ₅)C ₄ H ₉ -n	F: PFH Org. SVol. 2-137
C ₁₂ ClF ₆ H ₈ N ₂ P ₂ Rh	Rh(PF ₃) ₂ Cl(N ₂ (C ₆ H ₄) ₂)	Rh: SVol. B3-74
C ₁₂ ClF ₆ H ₂₄ N ₂ P ₂ Rh	Rh(PF ₃) ₂ Cl((C ₂ H ₅ C(CH ₃) ₂ NCH) ₂)	Rh: SVol. B3-74
C ₁₂ ClF ₆ H ₃₃ N ₄ PRh	[Rh((N(CH ₃) ₂) ₂ C ₂ H ₄) ₂ HCl]PF ₆	Rh: SVol. B2-191
C ₁₂ ClF ₉ S	4-ClC ₆ F ₄ SC ₆ F ₅	F: PFH Org. SVol. 2-217, 230
C ₁₂ ClF ₁₀ GeH	(C ₆ F ₅) ₂ GeHCl	F: PFH Org. SVol. 1-50/1, 60
C ₁₂ ClF ₁₀ PS	(C ₆ F ₅) ₂ P(S)Cl	F: PFH Org. SVol. 1-140
C ₁₂ ClF ₁₀ Se ₂ ⁺	[C ₆ F ₅ SeClSeC ₆ F ₅] ⁺	F: PFH Org. SVol. 3-219, 232
C ₁₂ ClF ₁₀ Tl	(C ₆ F ₅) ₂ TlCl	F: PFH Org. SVol. 1-35, 38
C ₁₂ ClF ₁₂ P	(C ₆ F ₅) ₂ PF ₂ Cl	F: PFH Org. SVol. 1-133/6
C ₁₂ ClF ₂₅ O ₂ S	C ₁₂ F ₂₅ SO ₂ Cl	F: PFH Org. SVol. 3-158/9, 175
C ₁₂ ClFeH ₉	ClC ₅ H ₄ FeC ₅ H ₄ CCH	Fe: Org. Verb. A7-137/8
C ₁₂ ClFeH ₉ O ₃	ClC ₆ H ₄ C(CH ₃)CH ₂ Fe(CO) ₃	Fe: Org. Comp. B6-369, 375/6
C ₁₂ ClFeH ₉ O ₄	CH ₂ C ₇ H ₅ Cl(O)CH ₂ Fe(CO) ₃	Fe: Org. Comp. B6-329, 349
C ₁₂ ClFeH ₁₀ HgNO ₂	C ₅ H ₅ FeC ₅ H ₄ CHC(NO ₂)HgCl	Fe: Org. Verb. A5-181
C ₁₂ ClFeH ₁₁	C ₅ H ₅ FeC ₅ H ₃ (Cl)CHCH ₂	Fe: Org. Verb. A7-141
C ₁₂ ClFeH ₁₁ Hg	C ₅ H ₅ FeC ₅ H ₄ CHCHHgCl	Fe: Org. Verb. A5-181
C ₁₂ ClFeH ₁₁ O	CH ₃ COC ₅ H ₄ FeC ₅ H ₄ Cl	Fe: Org. Comp. A8-115, 118, 130/1
-	C ₅ H ₅ FeC ₅ H ₃ (COCl)-1(CH ₃)-2	Fe: Org. Comp. A8-372/3
-	C ₅ H ₅ FeC ₅ H ₃ (COCl)-1(CH ₃)-3	Fe: Org. Comp. A8-373
-	ClCOC ₅ H ₄ FeC ₅ H ₄ CH ₃	Fe: Org. Comp. A8-371/2
C ₁₂ ClFeH ₁₁ O ⁺	[CH ₃ COC ₅ H ₄ FeC ₅ H ₄ Cl] ⁺	Fe: Org. Comp. A8-130
C ₁₂ ClFeH ₁₁ OS	C ₅ H ₅ FeC ₅ H ₄ SCH ₂ COCl	Fe: Org. Verb. A5-4
C ₁₂ ClFeH ₁₁ O ₂	CH ₃ OCC ₅ H ₄ FeC ₅ H ₄ Cl	Fe: Org. Comp. A8-295
-	C ₅ H ₅ FeC ₅ H ₃ (COOCH ₃ -1)Cl-2	Fe: Org. Comp. A8-324, 328
C ₁₂ ClFeH ₁₁ O ₄	HOC ₇ H ₆ Cl(CH ₂) ₂ Fe(CO) ₃	Fe: Org. Comp. B6-329, 349
-	C ₉ H ₁₀ DCIOFe(CO) ₃	Fe: Org. Comp. B6-349
C ₁₂ ClFeH ₁₂ ⁺	[ClC ₅ H ₄ FeC ₅ H ₄ CH(CH ₃)] ⁺	Fe: Org. Verb. A7-192, 223
C ₁₂ ClFeH ₁₂ NO ₅ S	C ₅ H ₅ Fe(CO) ₂ N(SO ₂ Cl)COCH ₂ C(CH ₃)CH ₂	Fe: Org. Comp. B11-345/8
C ₁₂ ClFeH ₁₂ N ₄ O ₄	(O ₂ N) ₂ NHNC(CH ₃)C ₅ H ₄ FeC ₅ H ₄ Cl	Fe: Org. Comp. A8-131

C ₁₂ ClFeH ₁₃	ClC ₅ H ₄ FeC ₅ H ₄ C ₂ H ₅	Fe: Org. Verb. A7-137
C ₁₂ ClFeH ₁₃ Hg.....	C ₅ H ₅ FeC ₅ H ₄ (CH ₂) ₂ HgCl.....	Fe: Org. Verb. A5-181
C ₁₂ ClFeH ₁₃ O.....	ClC ₅ H ₄ FeC ₅ H ₄ CH(OH)CH ₃	Fe: Org. Verb. A7-181, 188
C ₁₂ ClFeH ₁₄ NO.....	[C ₅ H ₅ FeC ₅ H ₄ C(OCH ₃)NH ₂]Cl.....	Fe: Org. Verb. A4-139
C ₁₂ ClFeH ₁₅ O ₂	C ₅ H ₅ Fe(CO) ₂ (CH ₂) ₄ CH ₂ Cl.....	Fe: Org. Comp. B12-243
C ₁₂ ClFeH ₁₅ Si.....	C ₅ H ₅ FeC ₅ H ₄ SiCl(CH ₃) ₂	Fe: Org. Verb. A5-107
C ₁₂ ClFeH ₁₆ N.....	[C ₅ H ₅ FeC ₅ H ₄ CH(CH ₃)NH ₃]Cl.....	Fe: Org. Verb. A4-14
-.....	[C ₅ H ₅ FeC ₅ H ₄ (CH ₂) ₂ NH ₃]Cl.....	Fe: Org. Verb. A4-16
C ₁₂ ClFeH ₁₆ O ₄ P.....	C ₅ H ₅ Fe(CO)(P(OCH ₂) ₃ CC ₂ H ₅)Cl.....	Fe: Org. Comp. B11-124, 128
C ₁₂ ClFeH ₂₀ O ₄ P.....	C ₅ H ₅ Fe(CO)(P(OC ₂ H ₅) ₃)Cl.....	Fe: Org. Comp. B11-121
C ₁₂ ClFeH ₂₃ N ₃ OP.....	C ₅ H ₅ Fe(CO)(P(N(CH ₃) ₂) ₃)Cl.....	Fe: Org. Comp. B11-91
C ₁₂ ClGaH ₁₀	Ga(C ₆ H ₅) ₂ Cl.....	Ga: Org. Comp. 1-144
C ₁₂ ClGaH ₁₀ S.....	Ga(C ₆ H ₅)(Cl)SC ₆ H ₅	Ga: Org. Comp. 1-237
C ₁₂ ClGaH ₂₁ NS.....	Ga(C ₆ H ₅)(Cl)SC ₃ H ₇ · N(CH ₃) ₃	Ga: Org. Comp. 1-237
C ₁₂ ClGaH ₂₈ O.....	Ga(C ₄ H ₉) ₂ Cl · O(C ₂ H ₅) ₂	Ga: Org. Comp. 1-131, 139
C ₁₂ ClGaH ₂₈ S.....	Ga(C ₄ H ₉) ₂ Cl · S(C ₂ H ₅) ₂	Ga: Org. Comp. 1-131, 139
C ₁₂ ClGaH ₃₀ OSi ₂	Ga(CH ₂ Si(CH ₃) ₃) ₂ Cl · OC ₄ H ₈	Ga: Org. Comp. 1-132
C ₁₂ ClGaH ₃₂ N ₂	Ga(C ₄ H ₉) ₂ Cl · 2 NH(CH ₃) ₂	Ga: Org. Comp. 1-132
C ₁₂ ClGdH ₁₀ N ₄ O ₂	Gd(ONCHC ₅ H ₄ N) ₂ Cl · 2 H ₂ O.....	Sc: MVol. D2-101
C ₁₂ ClGdH ₁₂ N ₂ S ₂	Gd(SC ₆ H ₄ NH ₂) ₂ Cl · H ₂ O.....	Sc: MVol. D4-50
C ₁₂ ClGdH ₁₄	Gd(C ₆ H ₄ CH ₃) ₂ Cl.....	Sc: MVol. D6-237, 241
C ₁₂ ClH ₇ MnN ₂ O ₂	Mn(OC ₆ H ₄ NNC ₆ H ₃ ClO).....	Mn: MVol. D5-278/80
C ₁₂ ClH ₇ MnN ₂ O ₆ S.....	Mn(OC ₆ H ₂ Cl(SO ₃ H)NNC ₆ H ₃ OHO).....	Mn: MVol. D5-278/80
C ₁₂ ClH ₈ I ₂ Sb.....	(IC ₆ H ₄) ₂ SbCl.....	Sb: Org. Comp. 2-15
C ₁₂ ClH ₈ MnN ₂ O ₄	Mn(2-NC ₅ H ₄ COO) ₂ Cl.....	Mn: MVol. D4-311
C ₁₂ ClH ₈ N ₂ O ₃ Tc.....	TcO ₃ Cl(N ₂ C ₁₂ H ₈).....	Tc: SVol. 2-191
C ₁₂ ClH ₈ N ₄ O ₄ S.....	[OS(O)N(C ₅ H ₄ CIN)NCC ₆ H ₄ NO ₂].....	S: S-N Comp. 3-309/12
C ₁₂ ClH ₈ OSb.....	O(C ₆ H ₄) ₂ SbCl.....	Sb: Org. Comp. 2-70/1
C ₁₂ ClH ₈ O ₂ SSb.....	SO ₂ (C ₆ H ₄) ₂ SbCl.....	Sb: Org. Comp. 2-70/1
C ₁₂ ClH ₈ SSb.....	Si(C ₆ H ₄) ₂ SbCl.....	Sb: Org. Comp. 2-70/1
C ₁₂ ClH ₈ Sb.....	(C ₆ H ₄) ₂ SbCl.....	Sb: Org. Comp. 2-69
C ₁₂ ClH ₉ MnN ₂ O ₆	Mn(H(OOCC ₅ H ₄ N(O)) ₂)Cl · 4 H ₂ O.....	Mn: MVol. D4-324
C ₁₂ ClH ₉ MnN ₃ O ⁺	Mn(ONC ₆ H ₄ CINNC ₆ H ₅) ⁺	Mn: MVol. D5-318/20
-.....	Mn(ONC ₆ H ₅ NNC ₆ H ₄ Cl) ⁺	Mn: MVol. D5-318/20
C ₁₂ ClH ₉ N ₂ O ₆ U.....	(NC ₅ H ₄ C ₅ H ₄ NH){UO ₂ (C ₂ O ₄)Cl}.....	U: SVol. C13-220/1
C ₁₂ ClH ₁₀ ISn.....	(C ₆ H ₅) ₂ SnCl.....	Sn: Org. Comp. 8-143
C ₁₂ ClH ₁₀ LaN ₄ O ₂	La(ONCHC ₅ H ₄ N) ₂ Cl · 2 H ₂ O.....	Sc: MVol. D2-101
C ₁₂ ClH ₁₀ N ₂ O ₄ RhS.....	Rh((OC ₆ H ₃ NH ₂) ₂ SO ₂)Cl · H ₂ O.....	Rh: SVol. B3-36
C ₁₂ ClH ₁₀ N ₄ NdO ₂	Nd(ONCHC ₅ H ₄ N) ₂ Cl · 2 H ₂ O.....	Sc: MVol. D2-101
C ₁₂ ClH ₁₀ N ₄ O ₂ Pr.....	Pr(ONCHC ₅ H ₄ N) ₂ Cl · 2 H ₂ O.....	Sc: MVol. D2-101
C ₁₂ ClH ₁₀ N ₄ O ₂ Sm.....	Sm(ONCHC ₅ H ₄ N) ₂ Cl · 2 H ₂ O.....	Sc: MVol. D2-101
C ₁₂ ClH ₁₀ N ₄ O ₂ Yb.....	Yb(ONCHC ₅ H ₄ N) ₂ Cl · 2 H ₂ O.....	Sc: MVol. D2-101
C ₁₂ ClH ₁₀ N ₄ Rh.....	Rh(CN) ₂ (C ₅ H ₅ N) ₂ Cl · 2 H ₂ O.....	Rh: SVol. B1-198
-.....	-.....	Rh: SVol. B2-260
C ₁₂ ClH ₁₀ OSb.....	C ₆ H ₅ C ₆ H ₄ SbCl(OH).....	Sb: Org. Comp. 2-139
C ₁₂ ClH ₁₀ O ₄ Sb.....	(C ₆ H ₅) ₂ SbClO ₄	Sb: Org. Comp. 2-20
C ₁₂ ClH ₁₀ Sb.....	(C ₆ H ₅) ₂ SbCl.....	Sb: Org. Comp. 2-11/5
C ₁₂ ClH ₁₂ I ₂ N ₄ O ₄ RhS ₂	[Rh(C ₅ H ₄ NCSNH ₂) ₂] ₂ ClO ₄	Rh: SVol. B3-53
C ₁₂ ClH ₁₂ LaN ₂ S ₂	La(SC ₆ H ₄ NH ₂) ₂ Cl · H ₂ O.....	Sc: MVol. D4-50
C ₁₂ ClH ₁₂ N ₂ NdS ₂	Nd(SC ₆ H ₄ NH ₂) ₂ Cl · H ₂ O.....	Sc: MVol. D4-50

$C_{12}ClH_{12}N_2PrS_2$	$Pr(SC_6H_4NH_2)_2Cl \cdot H_2O$	Sc: MVol.D4-50
$C_{12}ClH_{12}N_2S_2Sm$	$Sm(SC_6H_4NH_2)_2Cl \cdot H_2O$	Sc: MVol.D4-50
$C_{12}ClH_{12}N_6RhS_9$	$Rh(N_2C_4H(SH)_3)_3Cl$	Rh: SVol.B3-54
$C_{12}ClH_{13}MnN_2O_{12}$	$Mn[H(OOCC_6H_4N(O))_2(H_2O)_2]ClO_4$	Mn: MVol.D4-319
$C_{12}ClH_{13}NTi$	$(C_6H_5)_2Ti(Cl)NCCH_3$	Ti: Org.Verb.2-26, 29
$C_{12}ClH_{13}N_2O_2S$	$SN_2C_2OCH_2CHOHCH_2ClCH_2C_6H_5$	S: S-N Comp.3-93/8, 157
$C_{12}ClH_{13}OTi$	$(C_6H_5)_2Ti(COCH_3)Cl$	Ti: Org.Comp.3-207/8
$C_{12}ClH_{13}Ti$	$(C_6H_5)_2Ti(CHCH_2)Cl$	Ti: Org.Comp.3-156
$C_{12}ClH_{14}Lu$	$Lu(C_5H_4CH_3)_2Cl$	Sc: MVol.D6-238
$C_{12}ClH_{14}N_2O_9Rh$	$Rh(O_2CCH_2CH_2CH(NHCOC_6H_4NO_2)CO_2)Cl(H_2O)_2$	Rh: SVol.B2-69
$C_{12}ClH_{14}N_3O_3S$	$[(O)SN_3(C_6H_4Cl)(C_3H_7-i)C(COOCH_3)]$	S: S-N Comp.3-81/2
$C_{12}ClH_{14}N_7O_2Os$	$[OsO_2(C_2H_6N_5)(C_{10}H_8N_2)]Cl$	Os: SVol.1-271
$C_{12}ClH_{14}Y$	$Y(C_6H_4CH_3)_2Cl$	Sc: MVol.D6-237
$C_{12}ClH_{14}Yb$	$Yb(C_6H_4CH_3)_2Cl$	Sc: MVol.D6-238, 241/2
$C_{12}ClH_{15}NO_7Rh$	$Rh(O_2CCH_2CH_2CH(NHCOC_6H_5)CO_2)Cl(H_2O)_2$	Rh: SVol.B2-69
$C_{12}ClH_{15}N_2O_3S$	$[NCH_3S(O)NC_2H_4OC_2H_5C(O)C_6H_3Cl]$	S: S-N Comp.4-78/80
$C_{12}ClH_{15}OTi$	$(C_6H_5)_2Ti(OC_2H_5)Cl$	Ti: Org.Comp.3-79, 83
$C_{12}ClH_{15}O_2STi$	$(C_6H_5)_2Ti(OSOC_2H_5)Cl$	Ti: Org.Comp.3-108
$C_{12}ClH_{15}STi$	$(C_6H_5)_2Ti(SC_2H_5)Cl$	Ti: Org.Comp.3-110
$C_{12}ClH_{15}Ti$	$(C_6H_5)_2Ti(C_2H_5)Cl$	Ti: Org.Comp.3-156, 164/7
$C_{12}ClH_{16}NTi$	$(C_6H_5)_2Ti(N(CH_3)_2)Cl$	Ti: Org.Comp.3-112
-	$(C_6H_5)_2Ti(NHC_2H_5)Cl$	Ti: Org.Comp.3-112
$C_{12}ClH_{16}N_6O_8RhS_2$	$[Rh(HOOCCH_2CH_2C(NNHCSNH_2)COO)_2]Cl \cdot H_2O$	Rh: SVol.B3-43
$C_{12}ClH_{16}OSc$	$Sc(C_6H_5)Cl \cdot C_4H_8O$	Sc: MVol.D6-282/5
$C_{12}ClH_{17}NTi$	$(C_6H_5)_2Ti(Cl)NH_2C_2H_5$	Ti: Org.Verb.2-25, 28
-	$C_6H_8TiCl \cdot C_4H_8NH$	Ti: Org.Comp.4-90
$C_{12}ClH_{17}N_2S_4Sn$	$C_6H_5SnCl(SC(S)N(CH_3)_2)_2$	Sn: Org.Comp.10-248
$C_{12}ClH_{17}O_2Sn$	$(C_2H_5)_2(4-ClC_6H_4)SnOOCCH_3$	Sn: Org.Comp.13-244
$C_{12}ClH_{18}N_2Ti$	$[(C_6H_5)_2Ti(C_2H_5N_2)]Cl$	Ti: Org.Verb.2-19
$C_{12}ClH_{18}NdO_2S$	$Nd(SC_6H_4Cl)(OC_3H_7-i)_2$	Sc: MVol.D4-49/50
$C_{12}ClH_{18}O_2PrS$	$Pr(SC_6H_4Cl)(OC_3H_7-i)_2$	Sc: MVol.D4-49/50
$C_{12}ClH_{18}O_2SSm$	$Sm(SC_6H_4Cl)(OC_3H_7-i)_2$	Sc: MVol.D4-49/50
$C_{12}ClH_{18}Sb$	$(C_3H_7)_2SbC_6H_4Cl$	Sb: Org.Comp.1-122
$C_{12}ClH_{19}NTi$	$C_6H_8TiCl \cdot NH(C_2H_5)_2$	Ti: Org.Comp.4-89
$C_{12}ClH_{19}OSn$	$(C_2H_5)_3SnOC_6H_4Cl$	Sn: Org.Comp.11-214/5
$C_{12}ClH_{19}SSn$	$(C_2H_5)_3SnSC_6H_4Cl$	Sn: Org.Comp.9-84
$C_{12}ClH_{20}Sb$	$(CH_2CHCH_2)_4SbCl$	Sb: Org.Comp.3-45/6
$C_{12}ClH_{22}N_8O_2RhS_2$	$[Rh(SC(NH_2)NNC(CH_3)C(CH_3)NOCH_3)_2]Cl$	Rh: SVol.B3-43
-	$\cdot 3 H_2O$	Rh: SVol.B3-43
$C_{12}ClH_{22}Sb$	$(C_6H_{11})_2SbCl$	Sb: Org.Comp.2-9
$C_{12}ClH_{23}N_5O_6Rh$	$H[Rh(CH_3CNOCH_3)_2(NO_2)Cl]$	Rh: SVol.B2-219
$C_{12}ClH_{24}LiMnN_4O_7$	$Li[MnCl(H_3CCH(NH_2)C(O)NHCH(CH_3)COO)_2(H_2O)]$	Mn: MVol.D4-344
$C_{12}ClH_{24}MnN_6O_4S_2$	$[Mn(NCS)_2(C_2H_4(NHC_3H_8NH)_2C_2H_4)]ClO_4$	Mn: MVol.D4-84
$C_{12}ClH_{24}N_5S$	$((i-C_3H_7)_2N)SN_3C_2Cl(N(C_2H_5)_2)$	S: S-N Comp.4-39/40, 45/9
-	$((i-C_3H_7)_2N)SN_3C_2Cl(NHC_4H_9-t)$	S: S-N Comp.4-39/40, 45/9
$C_{12}ClH_{24}N_6O_4RhS_2$	$[Rh(NCS)_2(C_{10}H_{24}N_4)]ClO_4$	Rh: SVol.B2-202

C ₁₂ ClH ₂₄ O ₂₀ Rh ₃ ...	[Rh ₃ O(O ₂ GCH ₃) ₆ (H ₂ O) ₃](ClO ₄) · H ₂ O	Rh: SVol.B2-59/60
-	[Rh ₃ O(O ₂ CCH ₃) ₆ (H ₂ O) ₃](ClO ₄) · 2 H ₂ O	Rh: SVol.B2-59
C ₁₂ ClH ₂₅ N ₃ O ₆ Rh	Rh(O ₂ CCH(NH ₂)C ₂ H ₅) ₂ Cl(C ₂ H ₅ CH(NH ₂)CO ₂ H) · H ₂ O	Rh: SVol.B2-69
C ₁₂ ClH ₂₅ NiO ₂ Sb ₂	Ni(CO) ₂ [Sb(C ₂ H ₅) ₃][(C ₂ H ₅) ₂ SbCl]	Sb: Org.Comp.2-7
C ₁₂ ClH ₂₆ O ₂ SSn	(CH ₃) ₂ SnCl(SCH ₂ CH ₂ OOCCH ₂ H ₁₅)	Sn: Org.Comp.10-201
-	(CH ₃) ₂ SnCl(SCH ₂ COOC ₈ H ₁₇ -I)	Sn: Org.Comp.10-201
C ₁₂ ClH ₂₆ LaO ₁₆	[La(HOCH ₂ (CHOH) ₄ COO) ₂ (H ₂ O) ₂]Cl	Sc: MVol.D5-278
C ₁₂ ClH ₂₆ Sb	(t-C ₄ H ₉) ₂ Sb(CH ₂) ₄ Cl	Sb: Org.Comp.1-125
C ₁₂ ClH ₂₇ O ₃ Sn	(C ₄ H ₉) ₃ SnOCIO ₂	Sn: Org.Comp.12-199
C ₁₂ ClH ₂₇ O ₄ Sn	(C ₄ H ₉) ₃ SnOCIO ₃	Sn: Org.Comp.12-199
-	(i-C ₄ H ₉) ₃ SnOCIO ₃	Sn: Org.Comp.12-233
C ₁₂ ClH ₂₇ SSn	(C ₄ H ₉) ₂ SnCl(SC ₄ H ₉)	Sn: Org.Comp.10-207
C ₁₂ ClH ₂₈ O ₄ U	U(OC ₃ H ₇ -i) ₄ Cl	U: SVol.C13-72/3
-	U(OC ₃ H ₇ -n) ₄ Cl	U: SVol.C13-72/3
C ₁₂ ClH ₂₈ Sb	(C ₃ H ₇) ₄ SbCl	Sb: Org.Comp.3-44
C ₁₂ ClH ₃₂ O ₂ P ₄ Rh	[Rh((P(CH ₃) ₂) ₂ CH ₂ CH ₂) ₂ (O ₂)]Cl	Rh: SVol.B3-173
C ₁₂ ClH ₃₂ P ₄ Rh	[Rh((P(CH ₃) ₂) ₂ CH ₂ CH ₂) ₂]Cl	Rh: SVol.B3-172
C ₁₂ ClH ₃₂ P ₄ RhS ₂	[Rh((P(CH ₃) ₂) ₂ CH ₂ CH ₂) ₂ (S ₂)]Cl	Rh: SVol.B3-173
C ₁₂ ClH ₃₂ P ₄ RhSe ₂	[Rh((P(CH ₃) ₂) ₂ CH ₂ CH ₂) ₂ (Se ₂)]Cl	Rh: SVol.B3-173
C ₁₂ ClH ₃₃ OsP ₄	Os[C ₂ H ₄ (P(CH ₃) ₂) ₂] ₂ HCl	Os: SVol.1-329
C ₁₂ ClH ₃₄ P ₄ Rh	[Rh((P(CH ₃) ₂) ₂ CH ₂ CH ₂) ₂ H ₂)]Cl	Rh: SVol.B3-172
C ₁₂ ClH ₃₈ P ₄ Rh	[Rh(P(CH ₃) ₃) ₄]Cl	Rh: SVol.B3-93
C ₁₂ ClH ₃₈ O ₄ P ₄ Rh	[Rh(P(CH ₃) ₃) ₄ H ₂](ClO ₄)	Rh: SVol.B3-102
C ₁₂ ClH ₃₈ P ₄ Rh	[Rh(P(CH ₃) ₃) ₄ H ₂]Cl	Rh: SVol.B3-102
C ₁₂ Cl ₂ CuH ₈ N ₄ S ₂	(SN ₂ C ₆ H ₄) ₂ · CuCl ₂	S: S-N Comp.3-218
C ₁₂ Cl ₂ CuH ₂₂ N ₂ O ₂	[(CO) ₂ Cu(C ₆ H ₁₀ NH) ₂]Cl ₂	Cu: Org.Comp.3-211
C ₁₂ Cl ₂ Cu ₂ GeH ₂₄	[(n-C ₄ H ₉) ₂ Ge(CHCH ₂) ₂]Cu ₂ Cl ₂	Cu: Org.Comp.4-182
C ₁₂ Cl ₂ Cu ₂ H ₁₄ Si	[C ₆ H ₅ Si(CHCH ₂) ₃]Cu ₂ Cl ₂	Cu: Org.Comp.4-181
C ₁₂ Cl ₂ Cu ₂ H ₁₈	c-1,5,9-C ₁₂ H ₁₈ Cu ₂ Cl ₂	Cu: Org.Comp.4-181
C ₁₂ Cl ₂ Cu ₂ H ₂₄ Sn	[(n-C ₄ H ₉) ₂ Sn(CHCH ₂) ₂]Cu ₂ Cl ₂	Cu: Org.Comp.4-182
C ₁₂ Cl ₂ DyH ₆ O ₆ ⁺	[Dy(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ DyH ₁₂ Na ₅ O ₂₃	Na ₃ [Dy(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ ErH ₈ O ₆ ⁺	[Er(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ ErH ₁₂ Na ₅ O ₂₃	Na ₃ [Er(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ EuH ₈ O ₆ ⁺	[Eu(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ EuH ₁₂ Na ₅ O ₂₃	Na ₃ [Eu(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ EuH ₂₀ N ₂ O ₂	Eu[(CH ₃ COCH ₂ C(CH ₃)N) ₂ C ₂ H ₄]Cl ₂	Sc: MVol.D2-63
C ₁₂ Cl ₂ Eu ₂ H ₂₅ N ₃ O ₁₆	[Eu ₂ H ₂ (NH(CH ₂ COO) ₂) ₃ (H ₂ O) ₄]Cl ₂ · 3 H ₂ O	Sc: MVol.D1-125/6
C ₁₂ Cl ₂ F ₆ H ₁₈ PTi	[(CH ₃) ₆ C ₆ TiCl ₂]PF ₆	Ti: Org.Comp.4-77
C ₁₂ Cl ₂ F ₆ H ₂₈ N ₄ PrRh	[RhCl ₂ (C ₁₂ H ₂₈ N ₄)](PF ₆)	Rh: SVol.B2-209
C ₁₂ Cl ₂ F ₆ H ₃₆ N ₆ P ₄ Rh ₂	[Rh(PF ₃)(P(N(CH ₃) ₂) ₃)Cl] ₂	Rh: SVol.B3-75
C ₁₂ Cl ₂ F ₈ H ₁₀ O ₄ S	(C ₂ H ₅ OC(O)CF ₂) ₂ SC ₄ F ₄ Cl ₂	F: PFHOrg.SVol.2-34
C ₁₂ Cl ₂ F ₈ H ₂₈ O ₄ P ₄ Rh ₂	[Rh(PF ₂ (OC ₃ H ₇ -n)) ₂ Cl] ₂	Rh: SVol.B3-76
C ₁₂ Cl ₂ F ₈ S	(4-ClC ₆ F ₄) ₂ S	F: PFHOrg.SVol.2-217, 230
C ₁₂ Cl ₂ F ₈ S ₂	4-ClC ₆ F ₄ SSC ₆ F ₄ Cl-4	F: PFHOrg.SVol.2-180, 191, 203

C ₁₂ Cl ₂ F ₁₀ Ge	(C ₆ F ₅) ₂ GeCl ₂	F: PFHOrg.SVol.1-52/3
C ₁₂ Cl ₂ F ₁₀ Sn	(C ₆ F ₅) ₂ SnCl ₂	F: PFHOrg.SVol.1-66
C ₁₂ Cl ₂ F ₁₀ Ti	(C ₆ F ₅) ₂ TiCl ₂	F: PFHOrg.SVol.1-26
C ₁₂ Cl ₂ F ₁₁ P	(C ₆ F ₅) ₂ PFCl ₂	F: PFHOrg.SVol.1-133/6
C ₁₂ Cl ₂ FeH ₈ O ₂	Fe(C ₅ H ₄ COCl) ₂	Fe: Org.Comp.A8-358/70
C ₁₂ Cl ₂ FeH ₁₂	Fe(C ₅ H ₄ CH ₂ Cl) ₂	Fe: Org.Verb.A7-147/8
C ₁₂ Cl ₂ FeH ₁₂ Pd	C ₅ H ₅ FeC ₅ H ₄ CHCH ₂ PdCl ₂	Fe: Org.Verb.A5-242
C ₁₂ Cl ₂ FeH ₁₄ O ₂ Sn	C ₅ H ₅ Fe(CO) ₂ Sn(CH ₂ CHC(CH ₃) ₂)Cl ₂	Fe: Org.Comp.B12-59
C ₁₂ Cl ₂ FeH ₁₅ NO ₂ S ₂ Sn	C ₅ H ₅ Fe(CO) ₂ SnCl ₂ (S ₂ CN(C ₂ H ₅) ₂)	Fe: Org.Comp.B12-55
C ₁₂ Cl ₂ GaH ₃₀ Sb	(C ₂ H ₅) ₄ Sb[(C ₂ H ₅) ₂ GaCl ₂]	Ga: Org.Comp.1-328 Sb: Org.Comp.3-91
C ₁₂ Cl ₂ GdH ₈ O ₆ ⁺	[Gd(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ GdH ₁₂ Na ₅ O ₂₃	Na ₃ [Gd(OC(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ Gd ₂ H ₂₅ N ₃ O ₁₆	[Gd ₂ H ₂ (NH(CH ₂ COO) ₂) ₃ (H ₂ O) ₄]Cl ₂ · 3 H ₂ O	Sc: MVol.D1-125/6
C ₁₂ Cl ₂ GeH ₁₄ Ti	(CH ₃) ₂ Ge(C ₅ H ₄) ₂ TiCl ₂	Ti: Org.Comp.4-102/3
C ₁₂ Cl ₂ H ₇ MnN ₃ O ₂	Mn[N ₂ C ₁₂ H ₇ (NO ₂) ₂]Cl ₂	Mn: MVol.D3-261
C ₁₂ Cl ₂ H ₈ I ₂ Sn	(ClC ₆ H ₄) ₂ SnI ₂	Sn: Org.Comp.8-129
C ₁₂ Cl ₂ H ₈ LaO ₆ ⁺	[La(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ H ₈ MnN ₂	Mn(C ₁₂ H ₈ N ₂)Cl ₂	Mn: MVol.D3-251/2
C ₁₂ Cl ₂ H ₈ MnN ₂ O	Mn(C ₁₂ H ₈ N ₂ O)Cl ₂ · H ₂ O	Mn: MVol.D3-264
C ₁₂ Cl ₂ H ₈ MnN ₂ O ₂	Mn(C ₁₂ H ₈ N ₂ O ₂)Cl ₂	Mn: MVol.D4-58/9
C ₁₂ Cl ₂ H ₈ MnN ₄	Mn(2-CNC ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-110/1
-	Mn(3-CNC ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-110/1
-	Mn(4-CNC ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-110/1
C ₁₂ Cl ₂ H ₈ MnN ₆	Mn[3,6-(2-C ₅ H ₄ N) ₂ -1,2,4,5-C ₂ N ₄]Cl ₂	Mn: MVol.D4-78
C ₁₂ Cl ₂ H ₈ MnN ₈ O ₄	Mn[2,4-(OH) ₂ -1,3,5,8-N ₄ C ₆ H ₂] ₂ Cl ₂ · 1.5 H ₂ O	Mn: MVol.D4-57
C ₁₂ Cl ₂ H ₈ Mo ₄ N ₄ O ₁₃	(ClC ₆ H ₄ N ₂) ₂ O · 4 MoO ₃ · 0.33 H ₂ O	Mo: SVol.B4-158/9
C ₁₂ Cl ₂ H ₈ N ₂ O ₂ U	UO ₂ Cl ₂ (C ₁₂ H ₈ N ₂)	U: SVol.A5-217, 219
C ₁₂ Cl ₂ H ₈ N ₄ PdS ₂	(SN ₂ C ₆ H ₄) ₂ · PdCl ₂	S: S-N Comp.3-218
C ₁₂ Cl ₂ H ₈ NdO ₆ ⁺	[Nd(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ H ₈ O ₆ Pr ⁺	[Pr(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ H ₈ O ₆ Sm ⁺	[Sm(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ H ₈ O ₆ Y ⁺	[Y(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ H ₈ O ₆ Yb ⁺	[Yb(ClCH ₂ C ₅ H ₂ O ₃) ₂] ⁺	Sc: MVol.D3-294
C ₁₂ Cl ₂ H ₈ MnNO	Mn(C ₆ H ₅ COC ₅ H ₄ N)Cl ₂	Mn: MVol.D3-141/2
C ₁₂ Cl ₂ H ₈ MnN ₃	Mn[NHC(C ₆ H ₄ N)NC ₆ H ₄]Cl ₂	Mn: MVol.D3-318
C ₁₂ Cl ₂ H ₉ O ₃ Sb	(C ₄ H ₉ O) ₃ SbCl ₂	Sb: Org.Comp.4-58
C ₁₂ Cl ₂ H ₉ S ₃ Sb	(C ₄ H ₉ S) ₃ SbCl ₂	Sb: Org.Comp.4-58
C ₁₂ Cl ₂ H ₉ Sb	2-C ₆ H ₅ C ₆ H ₄ SbCl ₂	Sb: Org.Comp.2-109
-	4-C ₆ H ₅ C ₆ H ₄ SbCl ₂	Sb: Org.Comp.2-111
C ₁₂ Cl ₂ H ₁₀ MnN ₂ O ₂	Mn(OHCC ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-140/1
C ₁₂ Cl ₂ H ₁₀ MnN ₂ O ₄	Mn(3-NC ₅ H ₄ COOH) ₂ Cl ₂	Mn: MVol.D4-312/3
-	Mn(4-NC ₅ H ₄ COOH) ₂ Cl ₂	Mn: MVol.D4-315
C ₁₂ Cl ₂ H ₁₀ MnN ₈	Mn(1,2,3-N ₃ HC ₆ H ₃) ₂ Cl ₂	Mn: MVol.D4-69/70
C ₁₂ Cl ₂ H ₁₀ N ₂ O ₄ OsS	[OsO ₂ (SN ₂ O ₄ C ₁₂ H ₁₀) ₂]Cl ₂	Os: SVol.1-296
C ₁₂ Cl ₂ H ₁₀ N ₃ PS ₂	(SCIN) ₂ P(C ₆ H ₅) ₂ N	S: S-N Comp.3-19/20
C ₁₂ Cl ₂ H ₁₀ O ₂ U	U(OC ₆ H ₅) ₂ Cl ₂	U: SVol.C13-61/2

C ₁₂ Cl ₂ H ₁₂ HoNa ₅ O ₂₃	Na ₃ [Ho(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ LuNa ₅ O ₂₃	Na ₃ [Lu(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ MnN ₂	Mn(H ₂ NC ₆ H ₄ C ₆ H ₄ NH ₂)Cl ₂	Mn: MVol.D3-47/50
-	Mn(H ₂ NC ₆ H ₄ C ₆ H ₄ NH ₂)Cl ₂ · 2 H ₂ O	Mn: MVol.D3-50
C ₁₂ Cl ₂ H ₁₂ MnN ₄ O ₂ . .	[Mn(HONCHC ₅ H ₄ N) ₂ Cl ₂]	Mn: MVol.D5-261
-	Mn(NC ₅ H ₄ CONH ₂) ₂ Cl ₂	Mn: MVol.D5-114/5, 120
C ₁₂ Cl ₂ H ₁₂ MnN ₆	Mn[N ₂ C ₁₂ H ₆ (NHNH ₂) ₂]Cl ₂	Mn: MVol.D3-262/3
C ₁₂ Cl ₂ H ₁₂ MnN ₈ O ₂ . .	Mn[(O)(CH ₃)C ₅ H ₂ N ₄ H] ₂ Cl ₂ · 2 H ₂ O	Mn: MVol.D4-21
C ₁₂ Cl ₂ H ₁₂ N ₃ O ₂ Os . .	Os(C ₁₀ H ₈ N ₂)(NH ₂ CH ₂ COO)Cl ₂ · H ₂ O	Os: SVol.1-260
C ₁₂ Cl ₂ H ₁₂ Na ₅ NdO ₂₃	Na ₃ [Nd(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ Na ₅ O ₂₃ Pr	Na ₃ [Pr(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ Na ₅ O ₂₃ Sm	Na ₃ [Sm(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ Na ₅ O ₂₃ Tb	Na ₃ [Tb(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ Na ₅ O ₂₃ Tm	Na ₃ [Tm(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ Na ₅ O ₂₃ Yb	Na ₃ [Yb(O(CH ₂ COO) ₂) ₃] · 2 NaClO ₄ · 6 H ₂ O	Sc: MVol.D5-188/91
C ₁₂ Cl ₂ H ₁₂ O ₂ Ti	(C ₆ H ₅) ₂ Ti(OCOCH ₂ Cl)Cl	Ti: Org.Comp.3-102
C ₁₂ Cl ₂ H ₁₂ Ti	C ₂ H ₄ (C ₆ H ₄) ₂ TiCl ₂	Ti: Org.Comp.4-104/9
C ₁₂ Cl ₂ H ₁₃ MnNO ₃	Mn(C ₆ H ₅ COC ₅ H ₄ N)(H ₂ O) ₂ Cl ₂	Mn: MVol.D3-141/2
C ₁₂ Cl ₂ H ₁₃ N ₃ O ₃ S	[(O)SN ₃ (C ₆ H ₃ Cl ₂)(C ₃ H ₇ -i)C(COOCH ₃)]	S: S-N Comp.3-81/2
C ₁₂ Cl ₂ H ₁₄ MnN ₂	Mn(3-CH ₃ C ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-118/9
-	Mn(4-CH ₃ C ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-119
-	Mn(C ₆ H ₅ NH ₂) ₂ Cl ₂	Mn: MVol.D3-26/8
C ₁₂ Cl ₂ H ₁₄ MnN ₂ O ₂ . .	Mn(4-CH ₃ C ₅ H ₄ NO) ₂ Cl ₂	Mn: MVol.D3-155
-	Mn(C ₁₀ H ₈ N ₂ O)Cl ₂ · C ₂ H ₅ OH	Mn: MVol.D3-227/8
C ₁₂ Cl ₂ H ₁₄ MnN ₄ O	Mn[(3,4-(NH ₂) ₂ C ₆ H ₃) ₂ O]Cl ₂	Mn: MVol.D4-246
C ₁₂ Cl ₂ H ₁₄ MnN ₆ O ₂ . .	Mn(NC ₅ H ₄ C(O)NHNH ₂) ₂ Cl ₂	Mn: MVol.D5-186/7, 188/9, 191/2
C ₁₂ Cl ₂ H ₁₄ MnN ₈ O ₄ . .	Mn(O ₂ NC ₆ H ₄ NHNH ₂) ₂ Cl ₂ · 2 H ₂ O	Mn: MVol.D3-73/4
C ₁₂ Cl ₂ H ₁₄ MnN ₈ O ₁₁ . .	Mn(C ₆ H ₄ N ₄ O) ₂ (ClO ₄) ₂ · C ₂ H ₅ OH	Mn: MVol.D4-18/9
C ₁₂ Cl ₂ H ₁₄ Mo ₃ N ₂ O ₁₀	(ClC ₆ H ₄ NH ₃) ₂ O · 3 MoO ₃ · n H ₂ O (n = 2 to 3)	Mo: SVol.B4-156/7
C ₁₂ Cl ₂ H ₁₄ Mo ₄ N ₂ O ₁₃	(ClC ₆ H ₄ NH ₃) ₂ O · 4 MoO ₃ · 0.33 H ₂ O	Mo: SVol.B4-157
C ₁₂ Cl ₂ H ₁₄ N ₂ O ₂ S	[SCl ₂ N(C ₄ H ₉ -i)COCONC ₆ H ₅]	S: S-N Comp.3-286
C ₁₂ Cl ₂ H ₁₄ SiTi	(CH ₃) ₂ Si(C ₆ H ₄) ₂ TiCl ₂	Ti: Org.Comp.4-102/3
C ₁₂ Cl ₂ H ₁₄ SiU	U(C ₆ H ₄ Si(CH ₃) ₂ C ₅ H ₄)Cl ₂ · C ₄ H ₈ O	U: SVol.E2-137
C ₁₂ Cl ₂ H ₁₄ Ti	(CH ₃ C ₆ H ₄) ₂ TiCl ₂	Ti: Org.Verb.2-224/5, 232/5
-	(CH ₃ C ₆ H ₂ D ₂) ₂ TiCl ₂	Ti: Org.Verb.2-225, 235
-	(C ₂ H ₅ C ₆ H ₄)(C ₆ H ₅)TiCl ₂	Ti: Org.Verb.2-211/2
C ₁₂ Cl ₂ H ₁₆ MnN ₄	Mn(CH ₂ CHNC(CH ₃)NCHCH) ₂ Cl ₂	Mn: MVol.D3-311
-	Mn(C ₆ H ₄ (NH ₂) ₂) ₂ Cl ₂ · C ₂ H ₅ OH	Mn: MVol.D3-46
-	Mn(C ₆ H ₅ NHNH ₂) ₂ Cl ₂	Mn: MVol.D3-72/3
-	Mn(H ₂ NCH ₂ C ₅ H ₄ N) ₂ Cl ₂	Mn: MVol.D3-135/6