

DICTIONARY OF ORGANIC COMPOUNDS

The constitution and physical, chemical and other properties
of the principal carbon compounds and their derivatives,
together with relevant literature references

FOURTH EDITION
FORMULA INDEX

for the Dictionary and Fifth Cumulative Supplement

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DICTIONARY OF
ORGANIC COMPOUNDS

Formula Index

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PREFACE

This Formula Index covers those compounds which are given molecular formulae in the Main Work and the Fifth Supplement; i.e. the compounds which form the subject of an entry and certain derivatives. The derivatives usually included are ethers and *N*-alkyl derivatives and esters, acid chlorides, anhydrides, amides, and nitriles of carboxylic acids. In general, acyl derivatives, acetates, and benzoates are not given molecular formulae in the Dictionary and, accordingly will not be found in this Index. Compounds of indeterminate composition have been omitted from this Index except where the formula has been limited to two alternatives. In such cases the compound is listed under both formulae.

The elements are listed in alphabetical order after carbon and hydrogen (C and H) in accord with current practice as followed in the Fifth and subsequent Supplements. It should be noted that in the molecular formulae given in the Main Work the elements are given in the order C, H, O, N, Cl, Br, F, S, P with any others following in alphabetical order. In this Index they have been put into alphabetical order after C and H.

Compounds mentioned only in the Fifth Supplement are denoted by a dagger (†) while unannotated entries refer to the Main Work. An asterisk (*) is also used to draw attention to the Main Work. For example, when an entry bears both an asterisk and a dagger it usually means that the molecular formula given in the Main Work has been revised or corrected in the Supplement. These devices refer only to molecular formulae. Other additional information with regard to unannotated compounds may be found in the Fifth Supplement.

The secretarial work involved in compiling this Index has been carried out by Mrs E. J. Stevens, to whom our thanks are due.

The Sixth and subsequent Supplements will carry their own Formula Indices; the Editor is Miss J. B. Thomson, Ph.D., Department of Chemistry, The University, St Andrews, Scotland.

C₁

CAgNO
 Fulminic Acid, *Silver fulminate*
 CBrClO
 Carbonyl chlorobromide
 CBrCl₃
 Bromotrichloromethane
 CBrN
 Cyanogen bromide
 CBr₂Cl₂
 Dibromodichloromethane
 CBr₂O
 Carbonyl bromide
 CBr₃NO₂
 Bromopicrin
 CBr₄
 Carbon tetrabromide
 CCdNO
 Fulminic Acid, *Cadmium fulminate*
 CCIN
 Cyanogen chloride
 CCINO₂S
 Chlorosulphonyl isocyanate†
 CCl₂F₂
 Dichlorodifluoromethane
 CCl₂I₂
 Dichlorodi-iodomethane
 CCl₂N₂O₄
 Dichlorodinitromethane
 CCl₂O
 Carbonyl chloride
 CCl₂S
 Thiocarbonyl chloride
 CCl₃NO₂
 Chloropicrin
 CCl₄
 Carbon tetrachloride
 CCl₄S
 Trichloromethanesulphenyl chloride
 CCuNO
 Fulminic Acid, *Copper fulminate*
 CF₂O
 Carbonyl fluoride
 B

CF₃NO₂
 Trifluoronitromethane
 CF₄
 Carbon tetrafluoride
 CHBrCl₂
 Bromodichloromethane
 CHBr₂I
 Dibromiodomethane
 CHBr₂NO₂
 Dibromonitromethane
 CHBr₃
 Bromoform
 CHClO
 Formyl chloride†
 CHClO₂
 Chloroformic Acid
 CHCl₂I
 Dichloriodomethane
 CHCl₃
 Chloroform
 CHF₃
 Fluoroform
 CHI₃
 Iodoform
 CHN
 Hydrocyanic Acid
 CHNO
 Cyanic Acid*†
 Fulminic Acid
 CHNO₂
 Nitroformaldehyde
 CHNS
 Thiocyanic Acid
 CHN₂O₂
 Nitrodiazomethane†
 CHN₂O₃
 Trinitromethane
 CH₂BrCl
 Bromochloromethane
 CH₂BrF
 Bromofluoromethane
 CH₂BrI
 Bromiodomethane
 CH₂BrNO₂
 Bromonitromethane
 CH₂Br₂
 Methylene bromide

CH₂CINO

Carbamic Acid, *Chloride*
Chloroformaldoxime

CH₂CINO₂

Chloronitromethane

CH₂Cl₂

Methylene chloride

CH₂Cl₂O₂S₂

Methionie Acid, *Dichloride*

CH₂Cl₃PS

Chloromethylphosphonothioic dichloride†

CH₂I₂

Methylene iodide

CH₂N₂

Cyanamide
Diazomethane
Diazirine†

CH₂N₂O₃

Methylnitrolic Acid

CH₂N₂O₄

Dinitromethane
N-Nitrocarbamic Acid

CH₂N₄

1,2,3,4-Tetrazole

CH₂O

Formaldehyde

CH₂OS

Thioformic Acid

CH₂OS₂

Dithiocarbonic Acid

CH₂O₂

Formic Acid

CH₂O₂S

Thiocarbonic Acid

CH₂O₃

Performic Acid

CH₂O₄S

Methylene sulphate

CH₂S₅

Pentathiane†

CH₃AsCl₂

Dichloromethylarsine

CH₃AsI₂

Methyldi-iodoarsine

CH₃AsO

Methylarsenious oxide

CH₃Br

Methyl bromide

CH₃BrHg

Mercuri-methyl bromide

CH₃Cl

Methyl chloride

CH₃ClHg

Mercuri-methyl chloride

CH₃ClO

Methyl hypochlorite

CH₃ClOS

Methanesulphinic Acid, *Chloride*†

CH₃ClO₂S

Methane-sulphonic Acid, *Chloride*

CH₃Cl₂N

N-Dichloromethylamine

CH₃Cl₂OP

Methylphosphonic Acid, *Dichloride*

CH₃Cl₃S

Methyl sulphur trichloride

CH₃Cu

Methyl copper

CH₃F

Methyl fluoride

CH₃HgI

Mercuri-methyl iodide

CH₃I

Methyl iodide

CH₃NO

Formaldehyde, *Oxime*
Formamide
Formimidic Acid

CH₃NOS

Thiocarbamic Acid

CH₃NO₂

Carbamic Acid
Formhydroxamic Acid
Methyl nitrite
Nitromethane

CH₃NO₃

Methyl nitrate

CH₃NS₂

Dithiocarbamic Acid

CH₃N₃

Methyl azide

CH₃N₃O₃

Nitrourea

CH₃Na

Sodium methyl

CH₄

Methane

CH₄BO₂

Methylboric Acid

CH₄ClP

Chloromethylphosphine†

CH₄HgO

Mercuri-methyl hydroxide

CH₄NO₅P

Carbamoyl dihydrogen phosphate

CH₄N₂

Formamidine

CH₄N₂O

Urea

CH₄N₂O₂

Hydrazinoformic Acid
Hydroxyurea
Methylnitramine

CH ₄ N ₂ O ₃ Dihydroxyurea†	CH ₆ N ₄ Aminoguanidine
CH ₄ N ₂ S Thiourea	CH ₆ N ₄ S Thiocarbazide
CH ₄ N ₂ S ₄ Dithiocarbazic Acid	CH ₇ N ₅ Diaminoguanidine
CH ₄ N ₂ Se Selenourea	CH ₈ Si ₂ Bis-silylmethane 1,3-Disilapropane
CH ₄ N ₃ O ₃ P Phosphorazidic Acid, <i>Mono-Me ester</i> †	CIN Cyanogen iodide
CH ₄ N ₄ O ₃ Nitroguanidine	Cl ₄ Carbon tetraiodide
CH ₄ O Methanol	CKNO Fulminic Acid, <i>Potassium fulminate</i>
CH ₄ O ₂ S Methanesulphinic Acid†	CNNaO Fulminic Acid, <i>Sodium fulminate</i>
CH ₄ O ₃ Orthoformic Acid	(CNO) ₂ Oxycyanogen
CH ₄ O ₃ S Methane-sulphonic Acid	CNOTI Fulminic Acid, <i>Thallium fulminate</i>
CH ₄ O ₄ Orthocarbonic Acid	CN ₄ Cyanogen Azide†
CH ₄ O ₄ S Methyl hydrogen sulphate	CN ₄ O ₈ Tetranitromethane
CH ₄ O ₆ S ₂ Methionc Acid	CO Carbon monoxide
CH ₄ O ₆ S ₃ Methane-trisulphonic Acid	COS Carbonyl sulphide
CH ₄ S Methanethiol	CO ₂ Carbon dioxide
CH ₅ As Methylarsine	CS ₂ Carbon disulphide
CH ₅ N Methylamine	
CH ₅ NO N-Methylhydroxylamine O-Methylhydroxylamine	
CH ₅ NO ₂ S Methane-sulphonic Acid, <i>Amide</i>	
CH ₅ NO ₃ S Aminomethyl hydrogen sulphite	
CH ₅ N ₃ Guanidine	
CH ₅ N ₃ O Semicarbazide	
CH ₅ N ₃ S Thiosemicarbazide	
CH ₅ O ₃ P Methylphosphonic Acid	
CH ₅ P Methylphosphine	
CH ₆ N ₂ Methylhydrazine	
CH ₆ N ₂ O ₄ S ₂ Methionc Acid, <i>Diamide</i>	

C₂

C ₂ BrCl ₃ O Trichloroacetic Acid, <i>Bromide</i>
C ₂ BrF ₅ Bromopentafluoroethane
C ₂ Br ₂ Dibromoacetylene
C ₂ Br ₃ N Tribromoacetic Acid, <i>Nitrile</i>
C ₂ Br ₄ Tetrabromoethylene
C ₂ Br ₄ O Tribromoacetic Acid, <i>Bromide</i>
C ₂ Br ₆ Hexabromoethane
C ₂ ClF ₃ Chlorotrifluoroethylene
C ₂ ClF ₅ Chloropentafluoroethane

C₂Cl₂
 Dichloroacetylene
 C₂Cl₂F₂
 1,1-Dichloro-2,2-difluoroethylene
 C₂Cl₃F
 Trichlorofluoroethylene
 C₂Cl₃IO
 Trichloroacetic Acid, *Iodide*
 C₂Cl₃N
 Trichloroacetic Acid, *Nitrile*
 C₂Cl₄
 Tetrachloroethylene
 C₂Cl₃O
 Trichloroacetic Acid, *Chloride*
 C₂Cl₄O₂
 Trichloromethyl chloroformate
 C₂Cl₆
 Hexachloroethane
 C₂Cu₂
 Acetylene, *Cu deriv*
 C₂F₄
 Tetrafluoroethylene
 C₂F₄O₂
 Trifluoromethyl fluoroformate†
 C₂F₅I
 Pentafluoroiodoethane
 C₂F₆
 Hexafluoroethane
 C₂HBr
 Bromoacetylene
 C₂HBrClF₃
 2-Bromo-2-chloro-1,1,1-trifluoroethane†
 C₂HBrCl₃
 Bromo-1,2-dichloroethylene
 Bromo-2,2-dichloroethylene
 C₂HBrCl₂O
 Bromochloroacetic Acid, *Chloride*
 C₂HBrCl₂O₂
 Bromodichloroacetic Acid
 C₂HBr₂ClO
 Bromochloroacetic Acid, *Bromide*
 C₂HBr₂ClO₂
 Dibromochloroacetic Acid
 C₂HBr₂N
 Dibromoacetic Acid, *Nitrile*
 C₂HBr₃
 Tribromoethylene
 C₂HBr₃O
 Bromal
 Dibromoacetic Acid, *Bromide*
 C₂HBr₃O₂
 Tribromoacetic Acid
 C₂HBr₅
 Pentabromoethane
 C₂HCl
 Chloroacetylene

C₂HCIFN
 Chlorofluoroacetic Acid, *Nitrile*†
 C₂HCIF₂O
 Difluoroacetic Acid, *Chloride*
 C₂HCl₂FO
 Chlorofluoroacetic Acid, *Chloride*†
 Dichloroacetic Acid, *Fluoride*
 C₂HCl₂N
 Dichloroacetic Acid, *Nitrile*
 C₂HCl₃
 Trichloroethylene
 C₂HCl₃O
 Chloral
 Dichloroacetic Acid, *Chloride*
 C₂HCl₃O₂
 Trichloroacetic Acid
 C₂HCl₅
 Pentachloroethane
 C₂HF₃O
 2,2,2-Trifluoroacetaldehyde
 C₂HI
 Iodoacetylene
 C₂HI₃O₂
 Tri-iodoacetic Acid
 C₂HNOS
 Thio-oxalic Acid, *Nitrile*
 C₂HNa
 Acetylene, *Na deriv.*
 C₂HNO₂
 Cyanofornic Acid
 C₂HN₃
 Dicyanamide
 Diazooacetic Acid, *Nitrile*
 C₂HN₃O₄
 Nitrodiazooacetic Acid†
 C₂H₂
 Acetylene
 C₂H₂AsCl₃
 2-Chlorovinylidichloroarsine
 C₂H₂BrCl
 Acetylene bromochloride
 C₂H₂BrClO
 Bromoacetic Acid, *Chloride*
 Chloroacetyl bromide
 C₂H₂BrClO₂
 Bromochloroacetic Acid
 C₂H₂BrCl₂NO
 Bromodichloroacetic Acid, *Amide*
 C₂H₂BrF
 Acetylene bromofluoride
 1-Bromo-1-fluoroethylene
 C₂H₂BrN
 Bromoacetic Acid, *Nitrile*
 C₂H₂Br₂
 Acetylene dibromide
 1,1-Dibromoethylene

C₂H₂Br₂Cl₂
 1,2-Dibromo-1,1-dichloroethane
 1,2-Dibromo-1,2-dichloroethane

C₂H₂Br₂O
 Bromoacetic Acid, *Bromide*
 Dibromoacetaldehyde

C₂H₂Br₂O₂
 Dibromoacetic Acid

C₂H₂Br₃NO
 Tribromoacetic Acid, *Amide*

C₂H₂Br₄
 1,1,1,2-Tetrabromoethane
 1,1,2,2-Tetrabromoethane

C₂H₂ClF
 Acetylene chlorofluoride

C₂H₂ClFO₂
 Chlorofluoroacetic Acid†

C₂H₂ClI
 Acetylene chloriodide

C₂H₂ClO
 Iodoacetic Acid, *Chloride*

C₂H₂ClO₂
 Chloriodoacetic Acid

C₂H₂ClN
 Chloroacetonitrile

C₂H₂ClN₃
 5-Chloro-1,2,4-triazole

C₂H₂ClN₃O
 Azidoacetic Acid, *Chloride*

C₂H₂Cl₂
 Acetylene dichloride
 1,1-Dichloroethylene

C₂H₂Cl₂O
 Chloroacetyl chloride
 Dichloroacetaldehyde

C₂H₂Cl₂O₂
 Dichloroacetic Acid

C₂H₂Cl₃NO
 Trichloroacetic Acid, *Amide*

C₂H₂Cl₄
 1,1,1,2-Tetrachloroethane
 1,1,2,2-Tetrachloroethane

C₂H₂F₂
 1,1-Difluoroethylene

C₂H₂F₂O₂
 Difluoroacetic Acid

C₂H₂IN
 Iodoacetic Acid, *Nitrile*

C₂H₂I₂
 Acetylene di-iodide

C₂H₂I₂O₂
 Di-iodoacetic Acid

C₂H₂N₂
 Aminocyanocarbene†

C₂H₂N₂O
 Cyanoformic Acid, *Amide*
 1,2,4-Oxadiazole*†
 1,2,5-Oxadiazole†
 1,3,4-Oxadiazole†

C₂H₂N₂OS₂
 Rhodan Hydrate†

C₂H₂N₂O₂
 Diazoacetic Acid
 Nitroacetic Acid, *Nitrile*

C₂H₂N₂O₄
 Azoformic Acid

C₂H₂N₂S
 Cyanothioformamide
 1,2,4-Thiadiazole†
 1,2,5-Thiadiazole†
 1,3,4-Thiadiazole†
 Thio-oxamic Acid, *Nitrile*

C₂H₂N₂S₂
 Xanthan Hydride†

C₂H₂N₂Se
 1,2,5-Selenadiazole†

C₂H₂N₄
 1,2,4,5-Tetrazine

C₂H₂N₄O₈
 1,1,2,2-Tetranitroethane

C₂H₂O
 Ketene

C₂H₂O₂
 Glyoxal

C₂H₂O₂S₂
 Dithio-oxalic Acid

C₂H₂O₃
 Glyoxylic Acid

C₂H₂O₃S
 Thio-oxalic Acid

C₂H₂O₄
 Oxalic Acid

C₂H₂O₄S
 Vinylene sulphate†

C₂H₂O₆
 Di-peroxalic Acid

C₂H₂Br
 Bromoethylene

C₂H₂BrClNO
 Bromochloroacetic Acid, *Amide*

C₂H₂BrN₂O₂
 Bromonitroacetamide

C₂H₂BrO
 Acetyl bromide
 Bromoacetaldehyde

C₂H₂BrO₂
 Bromoacetic Acid

C₂H₂Br₂NO
 Dibromoacetic Acid, *Amide*

C ₂ H ₃ Br ₂ NO ₂	C ₂ H ₃ IO ₂
1,1-Dibromonitroethane	Iodoacetic Acid
1,2-Dibromonitroethane	C ₂ H ₃ I ₂ NO
C ₂ H ₃ Br ₃	Di-iodoacetic Acid, <i>Amide</i>
1,1,2-Tribromoethane	C ₂ H ₃ I ₃
C ₂ H ₃ Br ₃ O	1,1,1-Tri-iodoethane
2,2,2-Tribromoethanol	C ₂ H ₃ N
C ₂ H ₃ Br ₃ O ₂	Acetonitrile
Bromal, <i>Hydrate</i>	Methyl isocyanide
C ₂ H ₃ Cl	C ₂ H ₃ NO
Chloroethylene	Glycollic Acid, <i>Nitrile</i>
C ₂ H ₃ ClINO	Methyl cyanate†
Chloroiodoacetic Acid, <i>Amide</i>	Methyl isocyanate
C ₂ H ₃ ClN ₂ O ₂	C ₂ H ₃ NO ₂
Chloroglyoxime	Nitroethylene
C ₂ H ₃ ClO	C ₂ H ₃ NO ₂ S
Acetyl chloride	Thio-oxamic Acid
Chloroacetaldehyde	C ₂ H ₃ NO ₃
Chloro-oxirane†	Hydroxyiminoacetic Acid
C ₂ H ₃ ClO ₂	Oxamic Acid
Chloroacetic Acid	C ₂ H ₃ NO ₄
Methyl chloroformate	Acetyl nitrate
C ₂ H ₃ ClO ₃	Iminodicarboxylic Acid
Acetyl hypochlorite	Nitroacetic Acid
C ₂ H ₃ Cl ₂ I	C ₂ H ₃ NS
1,1-Dichloro-2-iodoethane	Methyl isothiocyanate
C ₂ H ₃ Cl ₂ NO	Methyl thiocyanate
Dichloroacetic Acid, <i>Amide</i>	C ₂ H ₃ N ₃
C ₂ H ₃ Cl ₂ NO ₃	1,2,3-Triazole
2,2-Dichloroethanol, <i>Nitrate</i>	1,2,4-Triazole
C ₂ H ₃ Cl ₃	C ₂ H ₃ N ₃ O
1,1,1-Trichloroethane	Cyanourea
1,1,2-Trichloroethane	Diazoacetic Acid, <i>Amide</i>
C ₂ H ₃ Cl ₃ O	3-Hydroxy-1,2,4-triazole
2,2,2-Trichloroethanol	5-Hydroxy-1,2,3-triazole
C ₂ H ₃ Cl ₃ O ₂	C ₂ H ₃ N ₃ O ₃
Chloral Hydrate	Azidoacetic Acid
C ₂ H ₃ F	Tetrahydro-1,2,4-triazole-3,5-dione
Fluoroethylene	C ₂ H ₃ N ₃ O ₆
C ₂ H ₃ FO	1,1,1-Trinitroethane
Acetyl fluoride	C ₂ H ₄
Fluoroacetaldehyde†	Ethylene
C ₂ H ₃ FO ₂	C ₂ H ₄ BrCl
Fluoroacetic Acid	1-Bromo-1-chloroethane
C ₂ H ₃ F ₂ NO	1-Bromo-2-chloroethane
Difluoroacetic Acid, <i>Amide</i>	C ₂ H ₄ BrF
C ₂ H ₃ F ₃	1-Bromo-2-fluoroethane
2,2,2-Trifluoroethanol	C ₂ H ₄ BrI
C ₂ H ₃ F ₃ O ₂	1-Bromo-1-iodoethane
2,2,2-Trifluoroacetaldehyde, <i>Hydrate</i>	1-Bromo-2-iodoethane
C ₂ H ₃ HgN	C ₂ H ₄ BrNO
Mercuri-methyl cyanide	N-Bromoacetamide
C ₂ H ₃ I	Bromoacetic Acid, <i>Amide</i>
Iodoethylene	C ₂ H ₄ BrNO ₂
C ₂ H ₃ IO	1-Bromo-1-nitroethane
Acetyl iodide	C ₂ H ₄ Br ₂
Iodoacetaldehyde	1,1-Dibromoethane
	1,2-Dibromoethane

C₂H₄Br₂O

Di-bromomethyl Ether
1,2-Dibromoethanol
2,2-Dibromoethanol

C₂H₄ClF

1-Chloro-1-fluoroethane
1-Chloro-2-fluoroethane

C₂H₄ClFO₂S

1-Chloroethane-1-sulphonic Acid, *Fluoride*

C₂H₄ClI

1-Chloro-1-iodoethane
1-Chloro-2-iodoethane

C₂H₄ClNO

Chloroacetaldehyde, *Oxime*
Chloroformaldoxime, *Me ether*
Chloroacetamide
N-Chloroacetamide
Methylcarbamic Acid, *Chloride*

C₂H₄ClNO₂

1-Chloro-1-nitroethane
1-Chloro-2-nitroethane

C₂H₄ClO₂P

Ethylene chlorophosphite†

C₂H₄Cl₂

1,1-Dichloroethane
1,2-Dichloroethane

C₂H₄Cl₂O

2,2-Dichloroethanol
Di-chloromethyl Ether
Dichloromethyl methyl Ether

C₂H₄Cl₂O₂

Dichloroacetaldehyde, *Hydrate*

C₂H₄Cl₂O₂S

1-Chloroethane-1-sulphonic Acid, *Chloride*
2-Chloroethane-1-sulphonic Acid, *Chloride*
Di-chloromethyl sulphone

C₂H₄Cl₂O₄S₂

Ethane-1,2-disulphonic Acid, *Dichloride*

C₂H₄Cl₂S

Di-chloromethyl sulphide

C₂H₄FNO

Fluoroacetic Acid, *Amide*

C₂H₄F₂

1,1-Difluoroethane
1,2-Difluoroethane

C₂H₄F₂O

2,2-Difluoroethanol

C₂H₄INO

Iodoacetamide
N-Iodoacetamide

C₂H₄I₂

1,1-Di-iodoethane
1,2-Di-iodoethane

C₂H₄N₂

Aminoacetonitrile

C₂H₄N₂O

1,3-Diazetidin-2-one

C₂H₄N₂OS

Thio-oxamic Acid, *Amide*

C₂H₄N₂O₂

Diformylhydrazine
Glyoxime
Oxamide

C₂H₄N₂O₃

Allophanic Acid
Ethylnitrolic Acid
Methazonic Acid
Nitroacetic Acid, *Amide*

C₂H₄N₂O₄

Azoformic Acid, *Diamide*
1,1-Dinitroethane
1,2-Dinitroethane
Hydrazodiformic Acid
N-Nitrocarbamic Acid, *Me ester*

C₂H₄N₂S₂

Dithio-oxalic Acid, *Diamide*

C₂H₄N₂S₄

Thiuram disulphide

C₂H₄N₄

1-Amino-1,2,3-triazole
3-Amino-1,2,4-triazole
4-Amino-1,2,4-triazole
Dicyandiamide
1-Methyl-1,2,3,4-tetrazole
1-Methyl-1,2,3,5-tetrazole

C₂H₄N₄O

Azidoacetic Acid, *Amide*

C₂H₄N₄O₂

4-Amino-3,5-dihydroxy-1,2,4-triazole†
4-Aminotetrahydro-3,5-dioxo-1,2,4-triazole
Hexahydro-*s*-tetrazine-3,6-dione

C₂H₄N₄O₄

Nitrobiuret

C₂H₄O

Acetaldehyde
Oxiran
Vinyl Alcohol

(C₂H₄O)_n

Metalddehyde

C₂H₄OS

Thioacetic Acid

C₂H₄OS₂

Methoxydithioformic Acid

C₂H₄O₂

Acetic Acid
Glycollaldehyde
Methyl formate

C₂H₄O₂S

Thioglycollic Acid

C₂H₄O₃

Glycollic Acid
Peracetic Acid

C₂H₄O₃S

Ethylene sulphite†
Vinylsulphonic Acid

C₂H₄O₄S
 Ethylene sulphate†
 C₂H₄O₄S₂
 Mesylsulphene†
 C₂H₄O₅S
 Sulphoacetic Acid
 C₂H₄O₆S₂
 1,3,2,4-Dioxadithian-2,2,4,4-tetroxide
 C₂H₄S
 Thiiran
 C₂H₄S₂
 Dithioacetic Acid
 C₂H₄S₄
 1,2,4,5-Tetrathiane†
 C₂H₄S₅
 Lenthionine†
 C₂H₅
 Ethyl (radical)
 C₂H₅AsBr₂
 Dibromoethylarsine
 C₂H₅AsCl₂
 Dichloroethylarsine
 C₂H₅AsO
 Ethylarsenious oxide
 C₂H₅Br
 Bromoethane
 C₂H₅BrHg
 Mercuri-ethyl bromide
 C₂H₅BrO
 2-Bromoethanol
 Bromomethyl methyl Ether
 C₂H₅Cl
 Chloroethane
 C₂H₅ClHg
 Mercuri-ethyl chloride
 C₂H₅ClO
 1-Chloroethanol
 2-Chloroethanol
 Chloromethyl methyl Ether
 Ethyl hypochlorite
 C₂H₅ClO₂S
 Ethanesulphonic Acid, *Chloride*
 C₂H₅ClO₃S
 1-Chloroethane-1-sulphonic Acid
 2-Chloroethane-1-sulphonic Acid
 Ethyl chlorosulphonate
 C₂H₅ClO₄
 Ethyl perchlorate
 C₂H₅ClO₄S
 Chloromethyl methyl sulphate
 C₂H₅Cl₂N
N-Dichloroethylamine
 C₂H₅Cl₂OP
 Ethylphosphonic Acid, *Dichloride*
O-Ethylphosphorodichloridite
 C₂H₅Cl₂OPS
O-Ethylphosphorodichloridothionate

C₂H₅Cl₂O₂P
O-Ethylphosphorodichloridate
 C₂H₅F
 Fluoroethane
 C₂H₅FO
 2-Fluoroethanol
 C₂H₅HgI
 Mercuri-ethyl iodide
 C₂H₅I
 Iodoethane
 C₂H₅IO
 2-Iodoethanol
 Iodomethyl methyl Ether
 C₂H₅N
 Aziridine
 C₂H₅NO
 Acetamide
 Acetimidic Acid
 Aminoacetaldehyde
N-Methylformamide
 C₂H₅NOS
 Thiocarbamic Acid, *S-Me ester*
 Thiocarbamic Acid, *O-Me ester*
 Thioglycollic Acid, *Amide*
 C₂H₅NO₂
 Acethydroxamic Acid
 Carbamic Acid, *Me ester*
 Ethyl nitrite
 Formhydroxamic Acid, *Me ester*
 Glycine
 Glycollic Acid, *Amide*
 Methylcarbamic Acid
 Nitroethane
 C₂H₅NO₂S
N-Sulphonylethylamine†
 C₂H₅NO₃
 Ethyl nitrate
 Hydroxyaminoacetic Acid
 2-Nitroethanol
 C₂H₅NS
 Thioacetic Acid, *Amide*
 C₂H₅NS₂
 Dithiocarbamic Acid, *Me ester*
 Methylthiocarbamic Acid
 C₂H₅N₃O
 Azidoethanol
 C₂H₅N₃OS
 Thiobiuret
 C₂H₅N₃O₂
 Biuret
 C₂H₅N₃O₃
*N*¹-Methyl-*N*²-nitrourea
 C₂H₅N₅
 3,5-Diamino-1,2,4-triazole
 C₂H₅OS
 Methylsulphinyl Carbanion†
 C₂H₅O₃P
 Vinylphosphonic Acid

C ₂ H ₅ O ₄ P	C ₂ H ₆ N ₃ O ₃ P
Acetyl phosphite	Phosphorazidic Acid, <i>Di-Me ester</i> †
Vinylphosphoric Acid†	C ₂ H ₆ N ₄ O
C ₂ H ₅ O ₃ P	Amidinourea
Acetyl phosphate	C ₂ H ₆ N ₄ O ₂
Phosphonoacetic Acid	Biurea
C ₂ H ₆	Hydrazodiformic Acid, <i>Diamide</i>
Ethane	C ₂ H ₆ N ₄ O ₄
C ₂ H ₆ AsBr	<i>N,N'</i> -Dinitroethylenediamine
Cacodyl bromide	C ₂ H ₆ N ₄ S
C ₂ H ₆ AsCl	Amidinothiourea†
Cacodyl chloride	C ₂ H ₆ N ₄
C ₂ H ₆ AsCl ₃	3,4,5-Triamino-1,2,4-triazole
Cacodyl trichloride	C ₂ H ₆ O
C ₂ H ₆ AsI	Dimethyl Ether
Cacodyl iodide	Ethanol
C ₂ H ₆ AsO ₄	C ₂ H ₆ OS
Methyl arsenate	Dimethyl Sulphoxide†
C ₂ H ₆ Be	2-Hydroxy-1-ethanethiol
Dimethylberyllium	C ₂ H ₆ O ₂
C ₂ H ₆ BrN	Dimethyl peroxide†
2-Bromoethylamine	Ethylene Glycol
C ₂ H ₆ ClN	C ₂ H ₆ O ₂ S
2-Chloroethylamine	Dimethyl sulphone
C ₂ H ₆ ClNO ₂ S	C ₂ H ₆ O ₃
1-Chloroethane-1-sulphonic Acid, <i>Amide</i>	Orthoacetic Acid
C ₂ H ₆ ClOP	C ₂ H ₆ O ₃ S
Dimethylphosphinic Acid, <i>Chloride</i>	Dimethyl sulphite
C ₂ H ₆ ClO ₂ PS	Ethanesulphonic Acid
<i>O,O</i> -Dimethylphosphorochloridothionate	Ethyl hydrogen sulphite
C ₂ H ₆ Hg	Methane-sulphonic Acid, <i>Me ester</i>
Mercury dimethyl	C ₂ H ₆ O ₄ S
C ₂ H ₆ HgO	Dimethyl sulphate
Mercuri-ethyl hydroxide	Ethyl hydrogen sulphate
C ₂ H ₆ IN	Isethionic Acid
2-Iodoethylamine	C ₂ H ₆ O ₅ S ₂
C ₂ H ₆ N ₂	Methane-sulphonic Acid, <i>Anhydride</i>
Acetamidine	C ₂ H ₆ O ₆ S ₂
Azomethane	Ethane-1,2-disulphonic Acid
C ₂ H ₆ N ₂ O	C ₂ H ₆ O ₇ S ₂
Aminoacetamide	Ethionic Acid
Dimethylnitrosamine	C ₂ H ₆ S
<i>O</i> -Methylisourea	Dimethyl sulphide
Methylurea	Ethanethiol
Urea, <i>O-Me</i>	C ₂ H ₆ S ₂
C ₂ H ₆ N ₂ O ₂	Dimethyl disulphide
Dimethylnitramine	1,2-Ethanedithiol
Ethylnitramine	C ₂ H ₆ Zn
Hydrazinoacetic Acid	Zinc dimethyl
Hydrazinoformic Acid, <i>Me ester</i>	C ₂ H ₇ As
Hydroxymethylurea	Dimethylarsine
Methylazoxymethanol†	Ethylarsine
C ₂ H ₆ N ₂ S	C ₂ H ₇ AsO ₃
<i>S</i> -Methylisothiurea	Cacodylic Acid
Methylthiourea	C ₂ H ₇ AsO ₃
C ₂ H ₆ N ₂ S ₂	Ethylarsinic Acid
Dithiocarbazic Acid, <i>Me ester</i>	C ₂ H ₇ BO ₂
	Ethaneboronic Acid

C₂H₇N

Dimethylamine
Ethylamine

C₂H₇NO

1-Aminoethanol
2-Aminoethanol
N-Ethylhydroxylamine
O-Ethylhydroxylamine
N-Methylhydroxylamine, *Me ether*

C₂H₇NO₂S

Ethanesulphonic Acid, *Amide*
Hypotauxine
Methylsulphonylmethylamine

C₂H₇NO₃S

Taurine

C₂H₇NS

2-Aminoethanethiol

C₂H₇N₃

Methylguanidine

C₂H₇N₃O

Glycine, *Hydrazide*
1-Methylsemicarbazide
2-Methylsemicarbazide
4-Methylsemicarbazide

C₂H₇N₃S

2-Methylthiosemicarbazide
4-Methylthiosemicarbazide

C₂H₇N₅

Diguanide

C₂H₇N₅O₂

Diaminobiuret

C₂H₇O₂P

Dimethylphosphinic Acid

C₂H₇O₃P

Ethylphosphonic Acid

C₂H₇P

Ethylphosphine

C₂H₈NO₃P

2-Aminoethylphosphonic Acid†

C₂H₈NO₄P

2-Aminoethanol, *O-Phosphate*

C₂H₈N₂

Ethylenediamine
Ethylhydrazine
1,1-Dimethylhydrazine
1,2-Dimethylhydrazine

C₂H₈N₂O₂S

Taurine, *Amide*

C₂H₈N₂S

Dimethyl Sulphone Di-imine†

C₂H₈N₁₀O

Tetracene

C₂H₁₀Si₂

1,4-Disilabutane

C₂HgN₂O₂

Fulminic Acid, *Mercury fulminate*

C₂I₂

Di-iodoacetylene

C₂I₄

Tetraiodoethylene

C₂N₂

Cyanogen

C₂N₂S

Cyanogen thiocyanate

C₂O₂Br₂

Oxalyl bromide

C₂O₂Cl₂

Oxalyl chloride

C₂O₂F₂

Oxalyl fluoride

C₃C₃BrN

Bromocyanoacetylene†

C₃Br₂Cl₂O₂

Dibromomalonic Acid, *Dichloride*

C₃Br₂F₂

1,2-Dibromo-3,3-difluorocyclopropene†

C₃Br₂N₂

Dibromomalonic Acid, *Dinitrile*

C₃Br₄

Tetrabromocyclopropene†

C₃Br₄O₂

Dibromomalonic Acid, *Dibromide*

C₃Br₆

Hexabromocyclopropane†

C₃Br₆O

Hexabromoacetone

C₃ClN

Chlorocyanoacetylene†

C₃Cl₂F₂

1,2-Dichloro-3,3-difluorocyclopropene†

C₃Cl₃N

Trichloroacrylic Acid, *Nitrile*

C₃Cl₃N₃

Cyanuric chloride
3,5,6-Trichloro-1,2,4-triazine†

C₃Cl₄

Tetrachlorocyclopropene†

C₃Cl₄O

Trichloroacrylic Acid, *Chloride*

C₃Cl₆

Hexachloropropene

C₃Cl₆O

Hexachloroacetone

C₃F₄

Perfluoro(methylacetylene)†
Tetrafluoroallene†

C₃F₆

Hexafluoropropene

C₃F₈O
 Hexafluoroacetone
 C₃F₈
 Profluorane
 C₃HBrN₂
 Bromomalonic Acid, *Dinitrile*
 C₃HBr₅O
 Pentabromoacetone
 C₃HCl₃O
 2,3-Dichloroacrylic Acid, *Chloride*
 3,3-Dichloroacrylic Acid, *Chloride*
 C₃HCl₃O₂
 Trichloroacrylic Acid
 C₃HCl₅
 Pentachlorocyclopropane†
 1,1,2,3,3-Pentachloropropene
 C₃HCl₅O
 Pentachloroacetone
 C₃HCl₇
 1,1,1,2,2,3,3-Heptachloropropane
 1,1,1,2,3,3,3-Heptachloropropane
 C₃HIO₂
 Iodopropiolic Acid
 C₃HN
 Propiolic Acid, *Nitrile*
 C₃H₂BrNO
 Bromoacetyl cyanide
 C₃H₂Br₂N₂O
 Dibromomalonic Acid, *Amide-nitrile*
 C₃H₂Br₂O₂
 2,3-Dibromoacrylic Acid
 3,3-Dibromoacrylic Acid
 C₃H₂Br₂O₃
 Dibromopyruvic Acid
 C₃H₂Br₂O₄
 Dibromomalonic Acid
 C₃H₂Br₄O
 1,1,1,3-Tetrabromoacetone
 1,1,3,3-Tetrabromoacetone
 C₃H₂ClNO₂
 α-Chloroacetyl isocyanate†
 C₃H₂CINS
 2-Chlorothiazole
 C₃H₂Cl₂O
 2-Chloroacrylic Acid, *Chloride*
 C₃H₂Cl₂O₂
 2,3-Dichloroacrylic Acid
 3,3-Dichloroacrylic Acid
 Malonyl chloride
 C₃H₂Cl₂O₄
 Dichloromalonic Acid
 C₃H₂Cl₃NO
 Trichloroacrylic Acid, *Amide*
 3,3,3-Trichlorolactic Acid, *Nitrile*
 C₃H₂Cl₄
 1,2,3,3-Tetrachloropropene

C₃H₂Cl₄O
 1,1,1,3-Tetrachloroacetone
 1,1,3,3-Tetrachloroacetone
 C₃H₂Cl₄O₂
 2,2,2-Trichloroethoxycarbonyl Chloride†
 3,3,3-Trichlorolactic Acid, *Chloride*
 C₃H₂Cl₆
 1,1,1,2,2,3-Hexachloropropane
 1,1,1,2,3,3-Hexachloropropane
 1,1,1,3,3,3-Hexachloropropane
 1,1,2,2,3,3-Hexachloropropane
 C₃H₂INS
 2-Iodothiazole†
 C₃H₂I₂O₄
 Di-iodomalonic Acid
 C₃H₂I₄O
 1,1,3,3-Tetraiodoacetone
 C₃H₂N₂
 Malonitrile
 C₃H₂N₂O₃
 Imidazolidine-2,4,5-trione
 Isonitrosomalonic Acid, *Nitrile*
 4-Nitroisoxazole
 C₃H₂N₂O₄
 Diazomalonic Acid
 Nitrocynoacetic Acid
 C₃H₂O
 Cyclopropenone†
 Propynal
 C₃H₂OS₂
 1,2-Dithiacyclopent-4-en-3-one†
 1,3-Dithiacyclopent-4-en-2-one†
 C₃H₂O₂
 Propiolic Acid
 C₃H₂O₃
 Mesoxalic Dialdehyde
 C₃H₂O₄
 Mesoxalaldehydic Acid
 C₃H₂O₅
 Mesoxalic Acid (exists in free state as dihydroxy-
 malonic Acid, C₃H₄O₅)
 C₃H₂S₂
 1,3-Dithiacyclopent-4-en-2-thione.†
 3*H*-1,2-Dithiole-3-thione†
 C₃H₂Br
 3-Bromopropyne
 C₃H₂BrO₂
 2-Bromoacrylic Acid
 3-Bromoacrylic Acid
 Bromomalondialdehyde
 C₃H₂BrO₄
 Bromomalonic Acid
 C₃H₂Br₂ClO
 2,3-Dibromopropionic Acid, *Chloride*
 C₃H₂Br₂N
 2,3-Dibromopropionic Acid, *Nitrile*