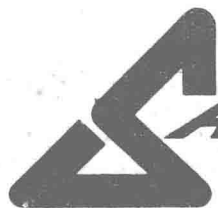


THE **SADTLER**

**STANDARD
SPECTRA**





ADTLER RESEARCH LABORATORIES INC

ULTRA VIOLET SPECTRA

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IR 3936

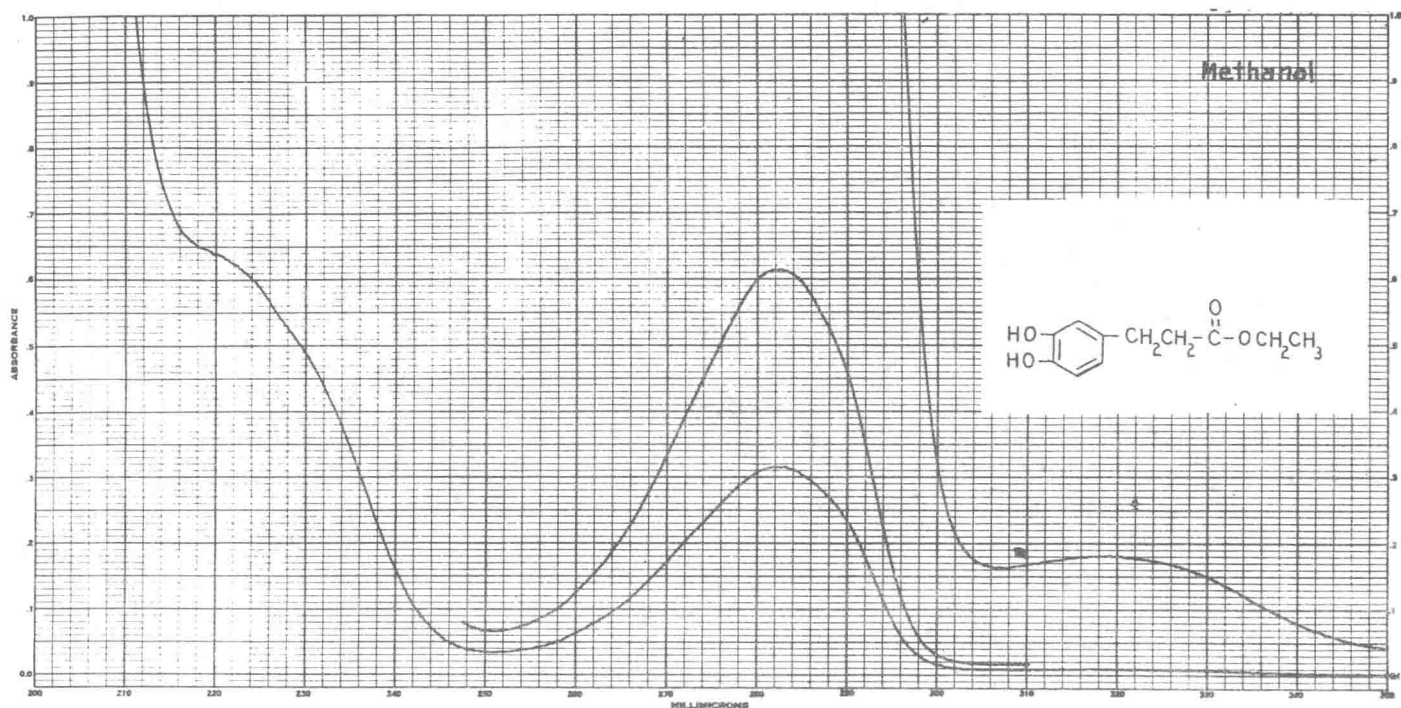
3,4-DIMETHOXYCINNAMIC ACID, ETHYL ESTER

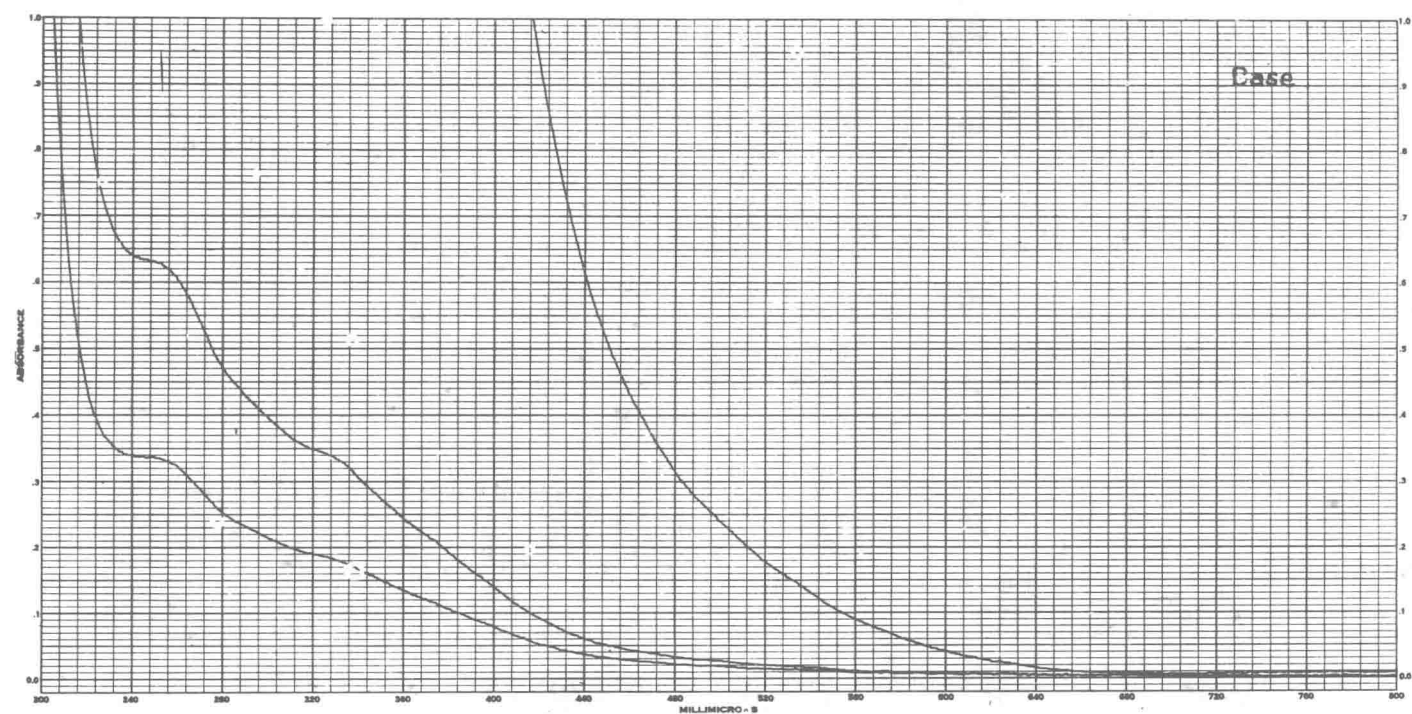
 $C_{11}H_{14}O_4$

Mol. Wt. 210.23

Source: Fluka AG, Buchs, Switzerland

		A	B	C	D	E
Methanol	Conc. g/L	0.220	0.220	0.220		
	Cell mm	20	2	1		
	a_m	86.5	2930	x		
	λ Max. m μ	319	282.5	x		
Methanol KOH	Conc. g/L	0.220	0.220	0.220		
	Cell mm	20	2	1		
	a_m	x	x	x		
	λ Max. m μ	x	x	x		
	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					





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13279 UV

IR 7995

5-CHLORO-2-METHYLINDOLE-3-ACETIC ACID

$C_{11}H_{10}ClNO_2$

Mol. Wt. 223.66

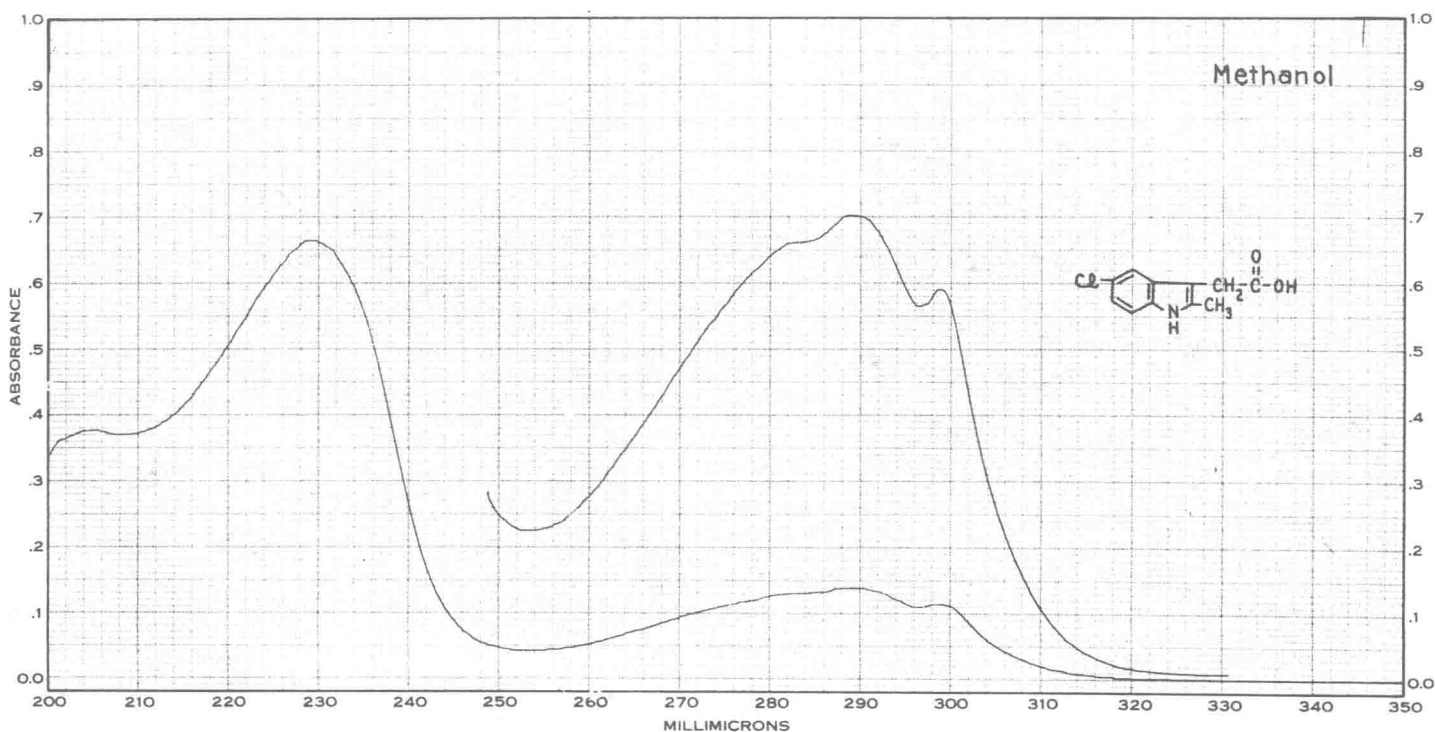
M. P. 192-194°C

Source: Aldrich Chemical Company, Milwaukee, Wisconsin

		A	B	C	D	E
Methanol	Conc. g/L	0.0500	0.0500	0.0500	0.0500	
	Cell mm	5	5	1	1	
	a_m	5280	6260	29600	16900	
	λ Max. $m\mu$	298.5	289	229	205	

	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. $m\mu$					

	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. $m\mu$					



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IR 9166

3-METHYLCYTOSINE

 $C_5H_7N_3O$

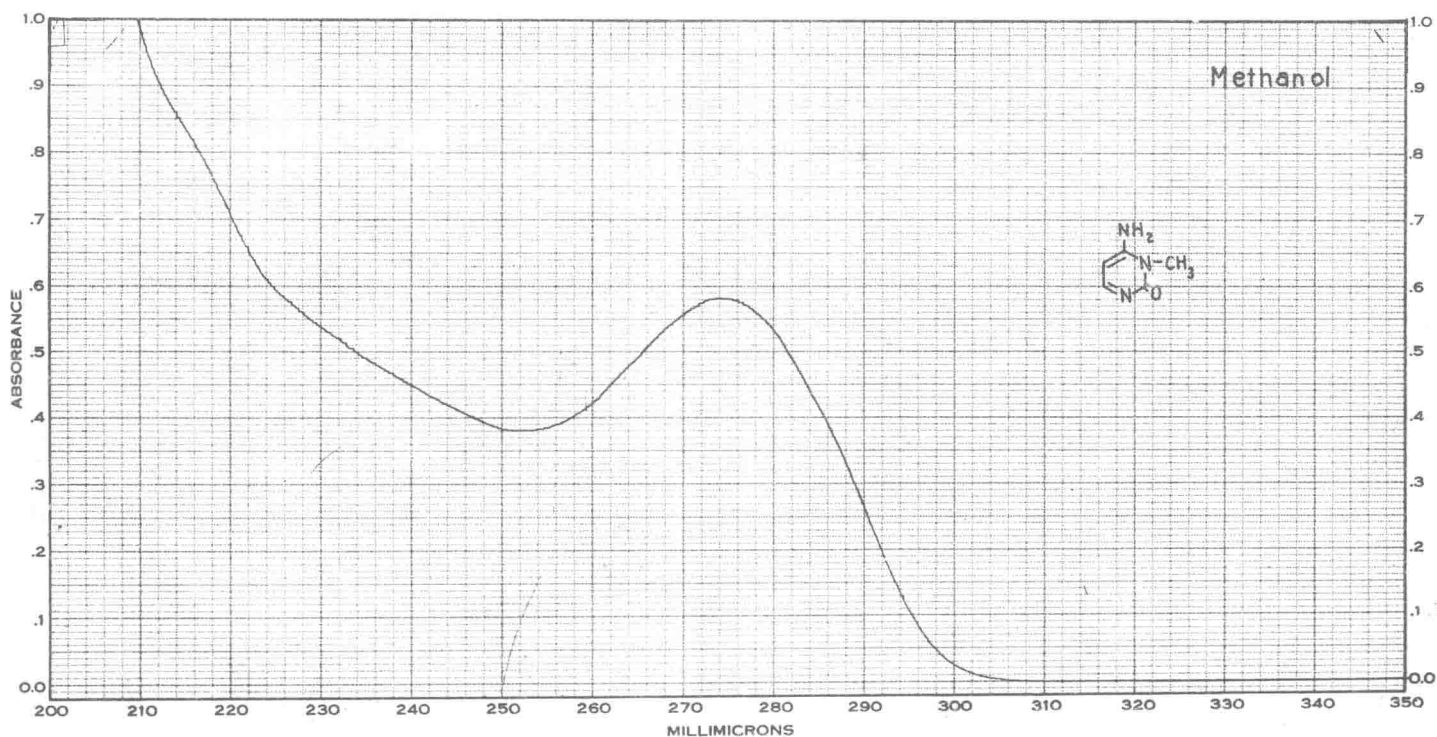
Mol. Wt. 125.13

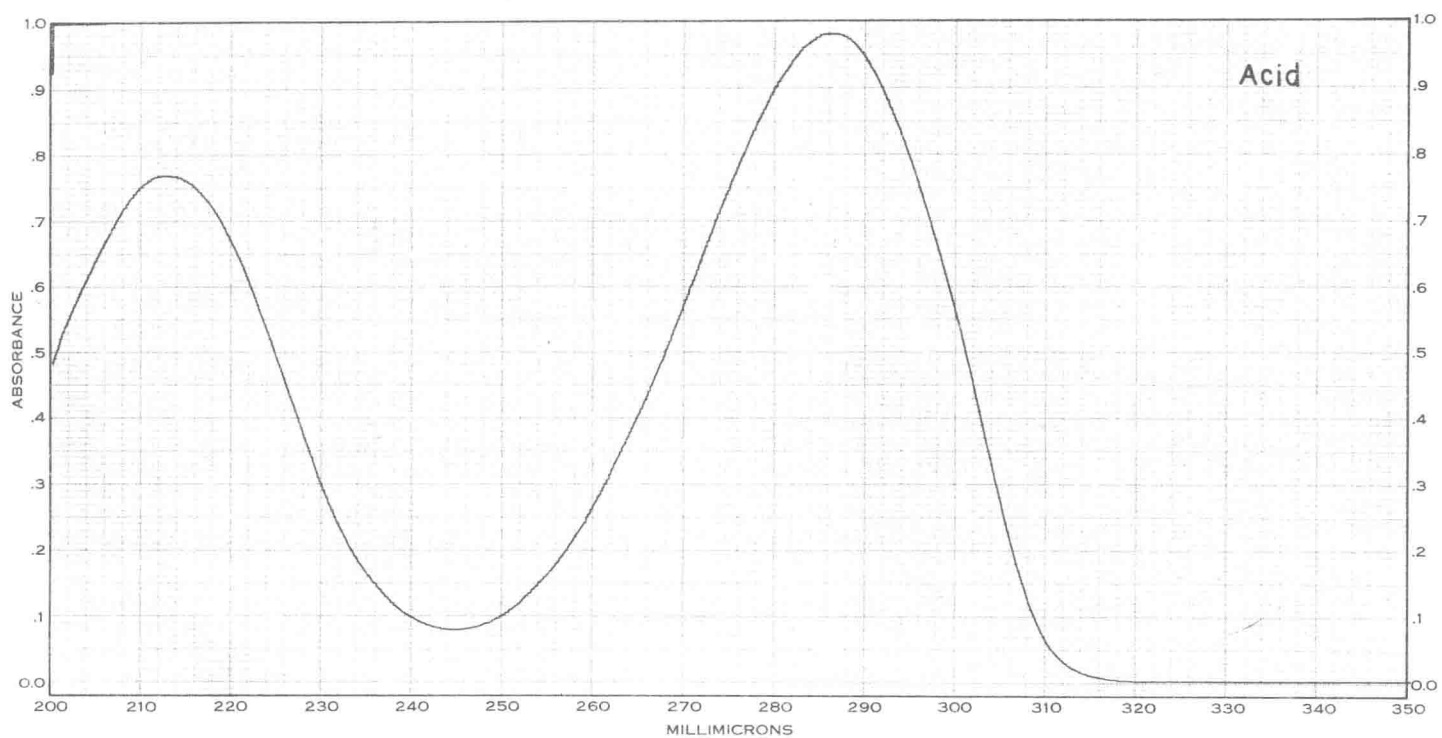
Source: Fluka AG, Buchs, Switzerland

		A	B	C	D	E
Methanol	Conc. g/L	0.100				
	Cell mm	1				
	a_m	7260				
	λ Max. m μ	274				

	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					

Methanol HCl	Conc. g/L	0.100	0.100			
	Cell mm	1	1			
	a_m	12200	9610			
	λ Max. m μ	286	212.5			





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IR 9393

4-METHYLBIPHENYL

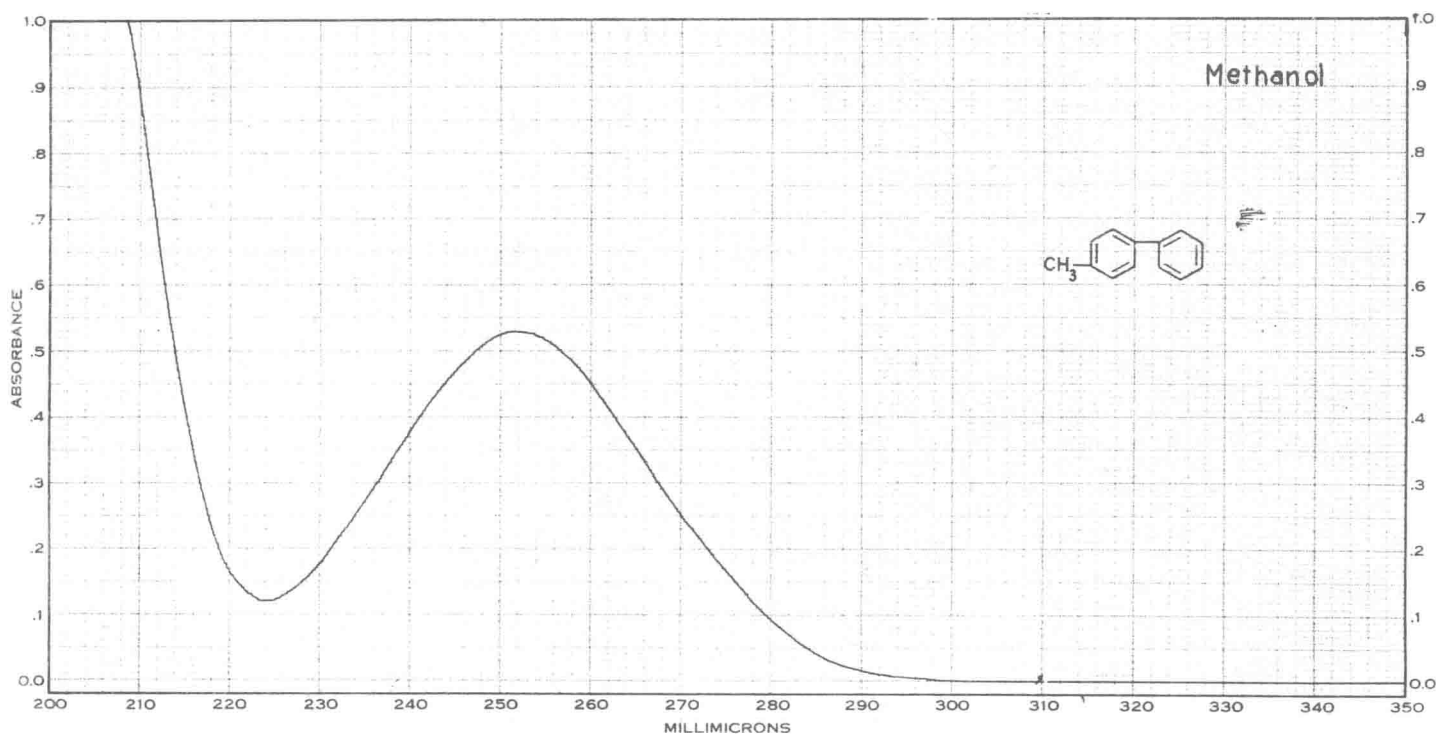
 $C_{13}H_{12}$ Mol. Wt. 168.24
 d_{27}^{27} 1.015

M. P. 49-50°C

B. P. 267-268°C

Source: Fluka AG, Buchs, Switzerland

		A	B	C	D	E
Methanol	Conc. g/L	0.0500				
	Cell mm	1				
	a_m	17800				
	λ Max. m μ	252				
	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					
	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					



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IR 9492

3,4-(METHYLENEDIOXY)MANDELIC ACID

C₉H₈O₅

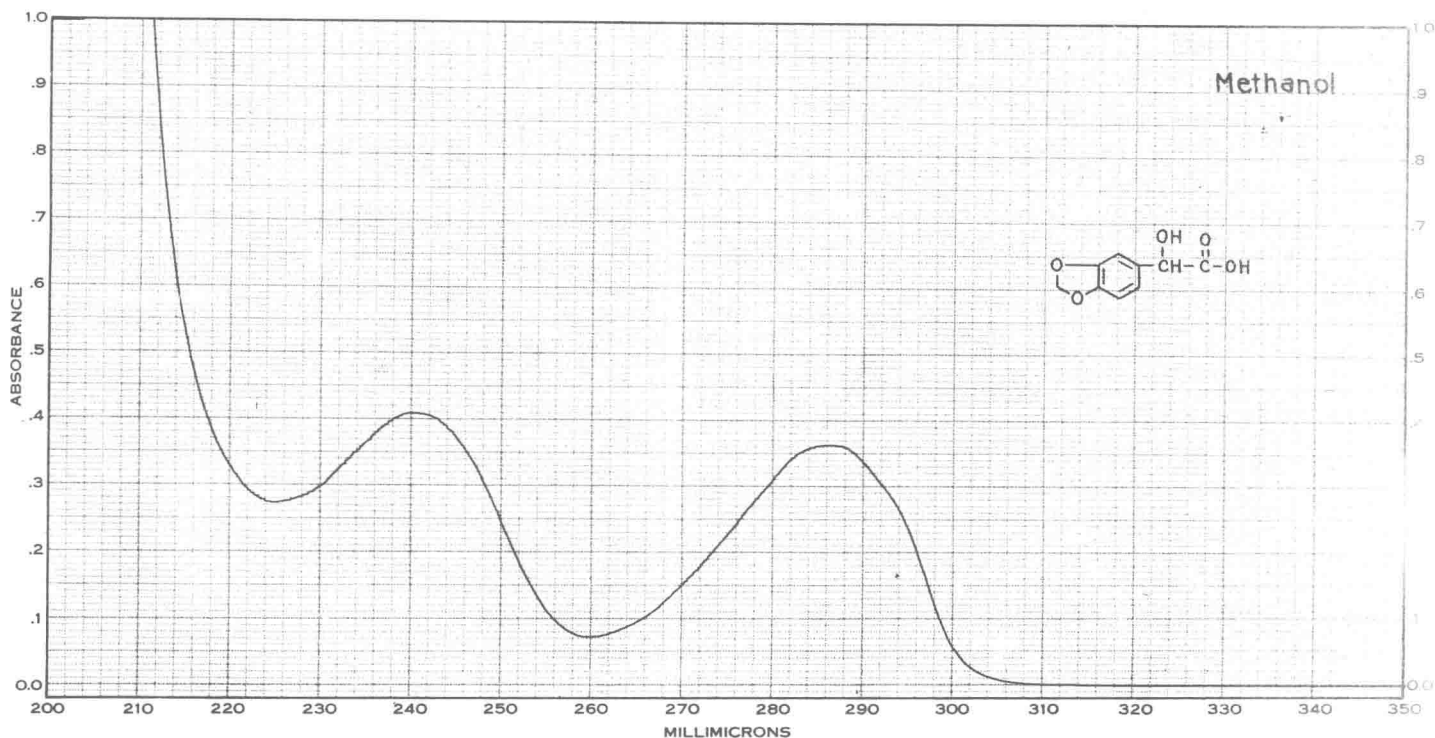
Mol. Wt. 196.16

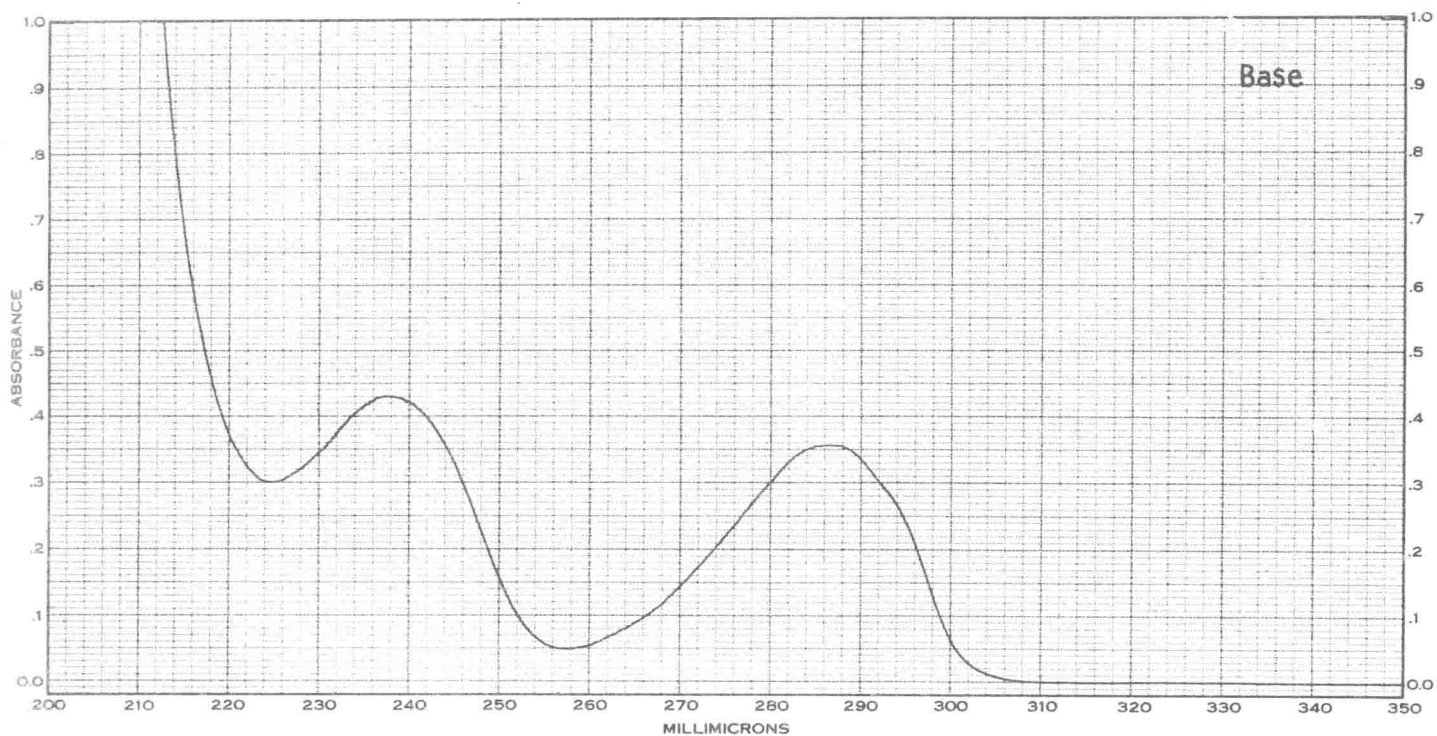
Source: Fluka AG, Buchs, Switzerland

		A	B	C	D	E
Methanol	Conc. g/L	0.100	0.100			
	Cell mm	2	2			
	a _m	3550	4020			
	λ Max. mμ	286	240			

Methanol KOH	Conc. g/L	0.100	0.100			
	Cell mm	2	2			
	a _m	3510	4210			
	λ Max. mμ	286.5	228			

	Conc. g/L					
	Cell mm					
	a _m					
	λ Max. mμ					





13282 UV

[3,4-(METHYLENEDIOXY)PHENYL]ACETIC ACID

 $C_9H_8O_4$

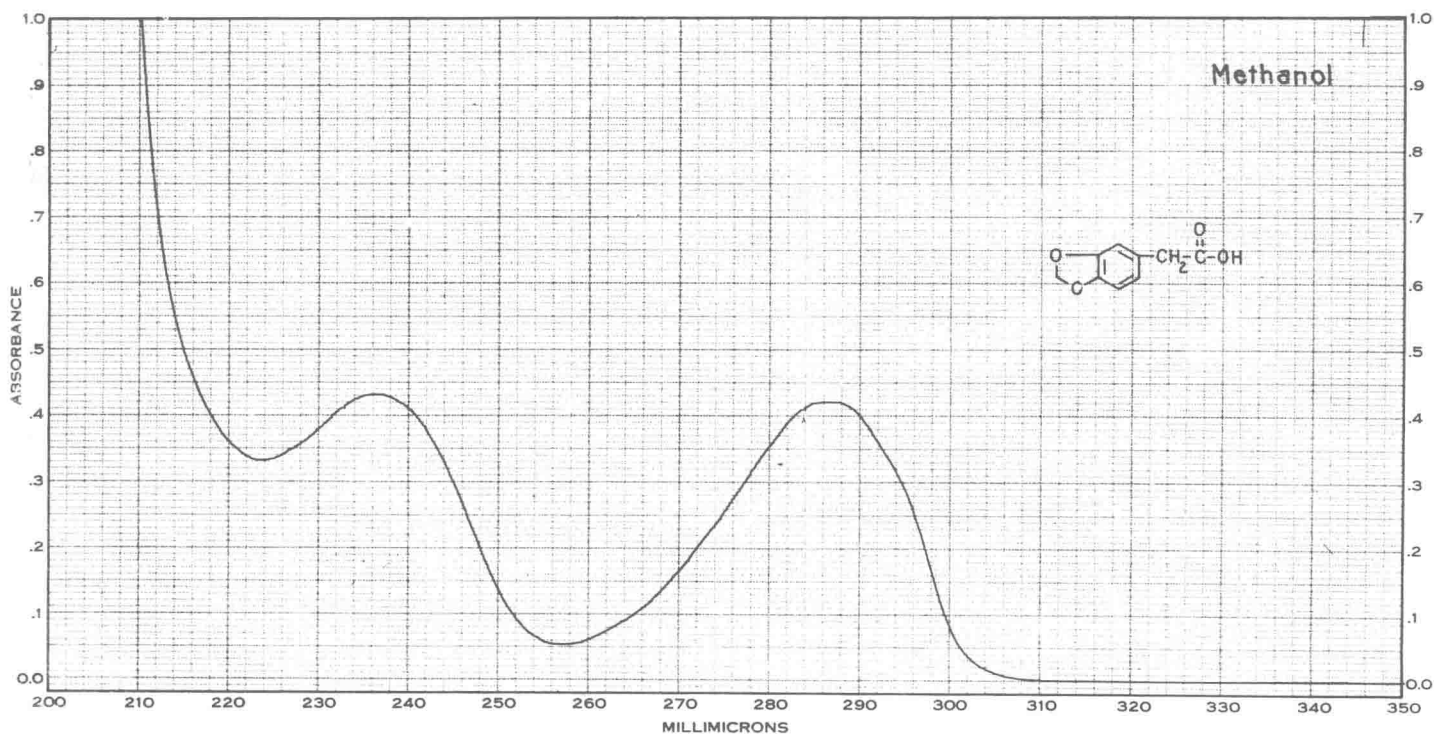
Mol. Wt. 180.16

Source: Fluka AG, Buchs, Switzerland

		A	B	C	D	E
Methanol	Conc. g/L	0.100	0.100			
	Cell mm	2	2			
	a_m	3770	3870			
	λ Max. m μ	287	236.5			

	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					

	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					



13284 UV



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IR 9532

p-(PHENYLAZO)PHENOL

 $C_{12}H_{10}N_2O$

Mol. Wt. 198.23

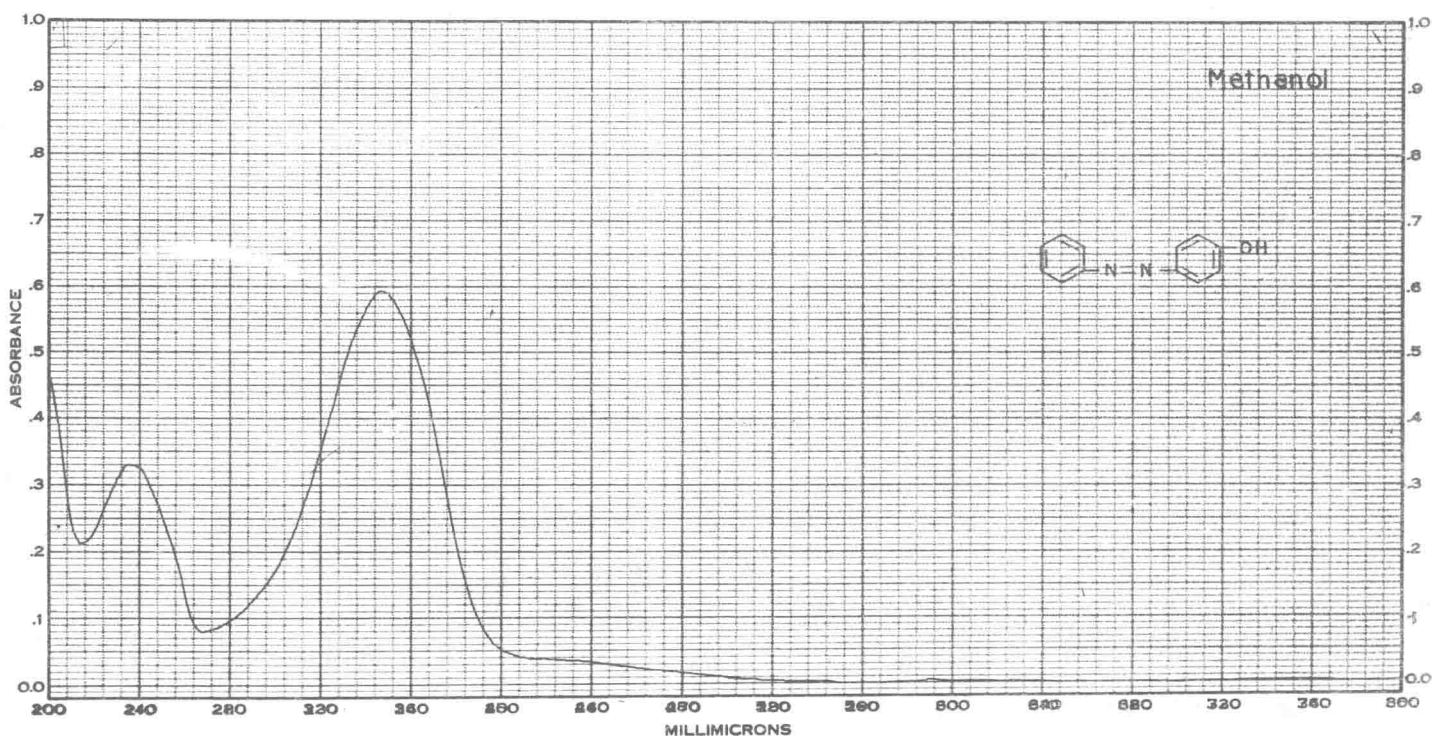
M. P. 155-157°C

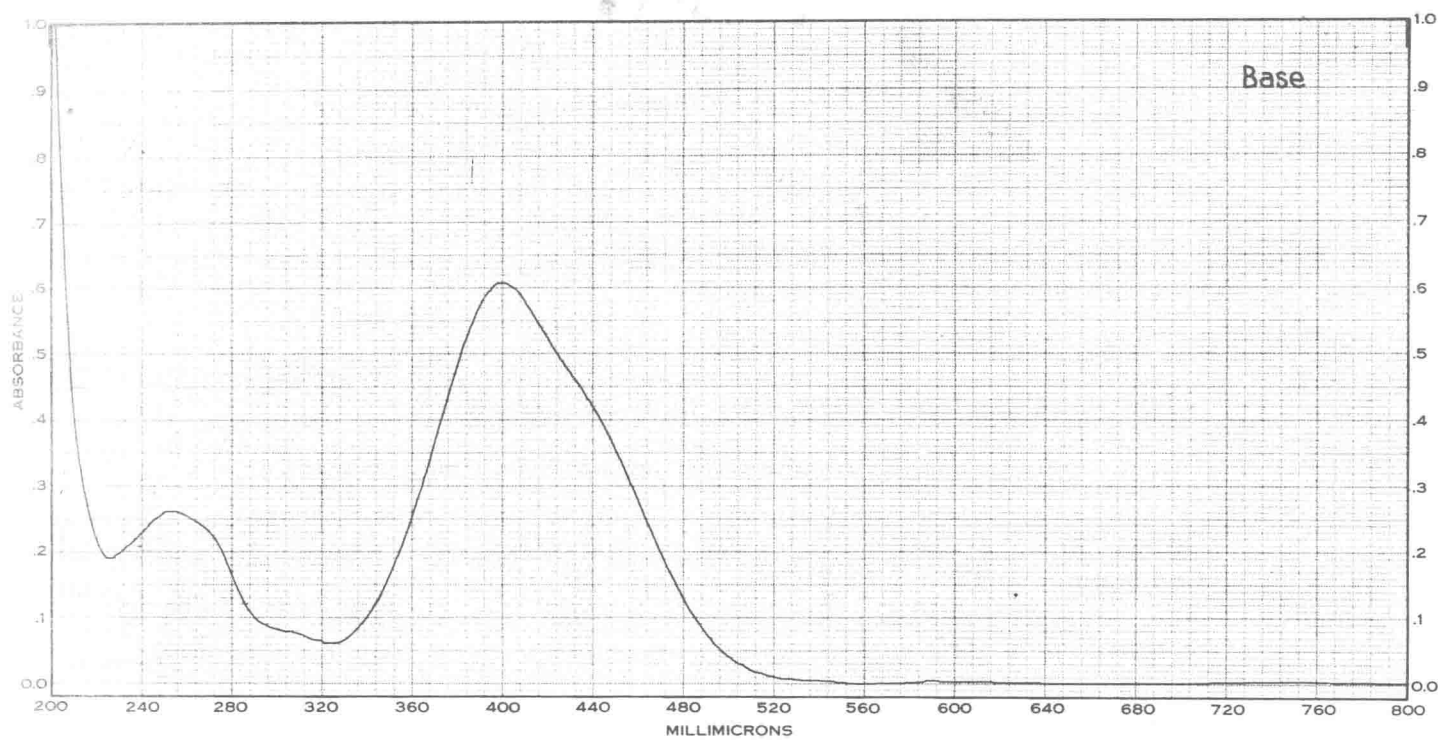
Source: Aldrich Chemical Company, Milwaukee, Wisconsin

		A	B	C	D	E
Methanol	Conc. g/L	0.0500	0.0500			
	Cell mm	1	1			
	a_m	23500	13100			
	λ Max. m μ	347	235			

Methanol KOH	Conc. g/L	0.0500	0.0500			
	Cell mm	1	1			
	a_m	24100	10400			
	λ Max. m μ	400	253			

	Conc. g/L					
	Cell mm					
	a_m					
	λ Max. m μ					





13284 UV

6-AMINO-4-CHLORO-m-TOLUENESULFONIC ACID

 $C_7H_8ClNO_3S$

Mol. Wt. 221.66

M. P. $>330^{\circ}C$

Source: Aldrich Chemical Company, Milwaukee, Wisconsin

		A	B	C	D	E
Methanol	Conc. g/L	0.100	0.100	0.100	0.100	0.100
	Cell mm	10	10	10	1	1
	a_m	1430	534	443	3950	19700
	λ Max. $m\mu$	310	279	270	247	212

Methanol KOH	Conc. g/L	0.100	0.100	0.0500		
	Cell mm	1	1	1		
	a_m	3840	9330	38100		
	λ Max. $m\mu$	310	247	211		

Methanol HCl	Conc. g/L	0.100	0.100	0.100	0.100	
	Cell mm	10	10	10	1	
	a_m	199	443	492	11300	
	λ Max. $m\mu$	310	279	270	227	

