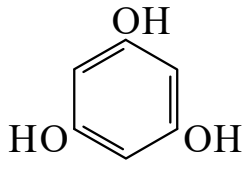
>>**Entry Name: 1,3,5-Benzenetriol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): 1,3,5-Trihydroxybenzene. **Phloroglucinol.** Phloroglucin. Dilospan S. Spasfon-Lyoc



CAS Registry Number: 108-73-6
Related CAS Registry Numbers(s): 6099-90-7

Molecular Formula: $C_6H_6O_3$
Molecular Weight: 126.112
Accurate Mass: 126.031695
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Biological Source: Isol. from *Eucalyptus kino* and *Acacia arabica*
Use/Importance: Spasmolytic agent, used as mixt. with trimethyl ether. Anal. reagent used for the detn. of aldehydes. Used in diazo-type-copying and textile-dyeing
Physical Description: Leaflets or plates + $2H_2O$ (H_2O)
Melting Point: Mp 117° (dihydrate). Mp 217-219° (anhyd.) (rapid heat). Mp 200-209° (slow heat)
Solubility: Mod. sol. H_2O; sol. EtOH, Et_2O, Py, Me_2CO
pKa Value: pK_{a1} 7.97; pK_{a2} 9.23 (20°)
Calculated Log P Data: Log P 0.14 (calc)
Other Data: Forms polymers with aldehydes and with diamines; no coml. importance
Hazard & Toxicity: Skin and eye irritant. LD_{50} (rat, orl) 5200 mg/kg. Exp. reprod. effects

Fluka: 79330

>>**Derivative:** Tri-Ac

CAS Registry Number: 2999-40-8
Molecular Formula: $C_{12}H_{12}O_6$
Molecular Weight: 252.223
Accurate Mass: 252.06339
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Physical Description: Cryst.
Melting Point: Mp 104°

>>**Derivative:** Tribenzoyl

CAS Registry Number: 7510-54-5
Molecular Formula: $C_{27}H_{18}O_6$
Molecular Weight: 438.436
Accurate Mass: 438.11034
Percentage Composition: C 73.97%; H 4.14%; O 21.90%
Physical Description: Cryst.
Melting Point: Mp 185°

>>**Derivative:** Mono-Me ether
Synonym(s): 5-Methoxy-1,3-benzenediol, 9CI. 5-Methoxyresorcinol, 8CI. 3,5-Dihydroxyanisole. **Flamenol,** INN

CAS Registry Number: 2174-64-3

Molecular Formula: $C_7H_8O_3$
Molecular Weight: 140.138
Accurate Mass: 140.047345
Percentage Composition: C 60.00%; H 5.75%; O 34.25%
Use/Importance: Spasmolytic agent
Melting Point: Mp 78-81°
Boiling Point: Bp_{16} 213°
Solubility: Sl. sol. H_2O, C_6H_6; sol. EtOH, Et_2O
Calculated Log P Data: Log P 0.96 (calc)
Aldrich: 23249-1
Fluka: 37478