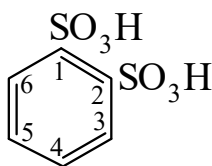




>>Entry Name: 1,2-Benzenedisulfonic acid, 9Cl



CAS Registry Number: 31375-00-5

Related CAS Registry Numbers(s): 5710-54-3

Molecular Formula: C₆H₆O₆S₂

Molecular Weight: 238.242

Accurate Mass: 237.96058

Percentage Composition: C 30.25%; H 2.54%; O 40.29%; S 26.92%

>>Derivative: Di-Me ester

Molecular Formula: C₈H₁₀O₆S₂

Molecular Weight: 266.295

Accurate Mass: 265.99188

Percentage Composition: C 36.08%; H 3.78%; O 36.05%; S 24.08%

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 67-69°

>>Derivative: Dichloride

CAS Registry Number: 6461-76-3

Molecular Formula: C₆H₄Cl₂O₄S₂

Molecular Weight: 275.133

Accurate Mass: 273.892804

Percentage Composition: C 26.19%; H 1.47%; Cl 25.77%; O 23.26%; S 23.31%

Melting Point: Mp 143°

Fluka: 12583

>>Derivative: Monoamide, Et ester

Molecular Formula: C₈H₁₁NO₅S₂

Molecular Weight: 265.311

Accurate Mass: 265.007864

Percentage Composition: C 36.22%; H 4.18%; N 5.28%; O 30.15%; S 24.17%

Melting Point: Mp 190°

>>Derivative: Dianilide

Molecular Formula: C₁₈H₁₆N₂O₄S₂

Molecular Weight: 388.467

Accurate Mass: 388.055148

Percentage Composition: C 55.65%; H 4.15%; N 7.21%; O 16.47%; S 16.51%

Melting Point: Mp 241°

>>Derivative: Anhydride

Molecular Formula: C₆H₄O₅S₂

Molecular Weight: 220.227

Accurate Mass: 219.950015

Percentage Composition: C 32.72%; H 1.83%; O 36.32%; S 29.12%

Melting Point: Mp 180°

>>Derivative: Imide

see 1,2-Benzenedisulfonimide, [NPL99-Y](#)

References:

Hurtley, W.R.H. *et al.*, *J.C.S.*, 1926, 1821, (*synth, derivs*)

Kice, J.L. *et al.*, *J.O.C.*, 1983, **48**, 2943, (*deriv*)

Davis, F.A. *et al.*, *J.O.C.*, 1995, **60**, 4730, (*dichloride, synth, pmr, cmr*)