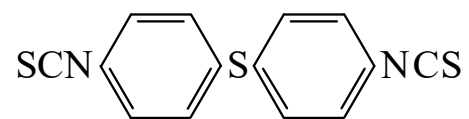




>>Entry Name: 4,4'-Diisothiocyanatodiphenyl sulfide

Synonym(s): 1,1'-Thiobis[4-isothiocyanatobenzene], 9CI



CAS Registry Number: 15398-68-2

Molecular Formula: $C_{14}H_8N_2S_3$

Molecular Weight: 300.429

Accurate Mass: 299.984958

Percentage Composition: C 55.97%; H 2.68%; N 9.32%; S 32.02%

>>Derivative: S,S-Dioxide

Synonym(s): 1,1'-Sulfonylbis[4-isothiocyanatobenzene], 9CI. Centsulphone

CAS Registry Number: 4430-49-3

Type of Compound Code(s): XA0900

Molecular Formula: $C_{14}H_8N_2O_2S_3$

Molecular Weight: 332.427

Accurate Mass: 331.974788

Percentage Composition: C 50.58%; H 2.43%; N 8.43%; O 9.63%; S 28.94%

Use/Importance: Anthelmintic

Melting Point: Mp 180° (169°)

Calculated Log P Data: Log P 5.65 (calc)

References:

- Saxena, R. *et al.*, *Indian J. Pharm.*, 1967, **29**, 232, (*synth, props*)
Katiyar, J.C. *et al.*, *Nature (London)*, 1967, **214**, 708, (*props*)
Uher, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1969, **34**, 4005, (*uv, struct*)
Sharma, S. *et al.*, *Indian J. Pharm.*, 1973, **35**, 13, (*synth, props*)