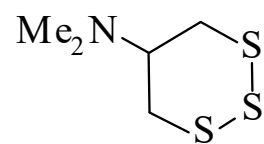




>>Entry Name: 5-Dimethylamino-1,2,3-trithiane

Synonym(s): *N,N*-Dimethyl-1,2,3-trithian-5-amine, 9Cl. Thiocyclam, BSl. Sultamine



CAS Registry Number: 31895-21-3

Related CAS Registry Numbers(s): 75655-75-3 77771-89-2

Molecular Formula: C₅H₁₁NS₃

Molecular Weight: 181.347

Accurate Mass: 181.005359

Percentage Composition: C 33.12%; H 6.11%; N 7.72%; S 53.05%

Use/Importance: Agricultural insecticide

Other Data: Usually employed as hydrogen oxalate

>>Derivative: Hydrogen oxalate

Synonym(s): Evisect. Evisect S

CAS Registry Number: 31895-22-4

Physical Description: Cryst.

Melting Point: Mp 125-128 dec.°

Solubility: Mod. sol. H₂O; spar. sol. Me₂CO, Et₂O, EtOH, xylene

pKa Value: pK_{a2} 7

Hazard & Toxicity: LD₅₀ (rat, orl) 195 mg/kg. LD₅₀ (rat, skn) 1000 mg/kg

References:

Swiss Pat., 1970, 544 037; *CA*, **80**, 83073b

Wisson, M. *et al.*, *Anal. Methods Pestic. Plant Growth Regul.*, 1980, **11**, 185, (rev, detn)

Pesticide Manual, 9th edn., 1991, No. 11610

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TFH750