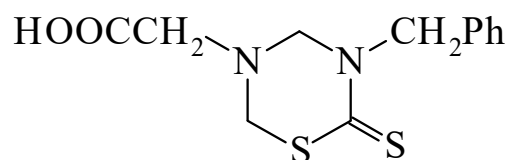




>>Entry Name: Bensuldazic acid, BAN, INN

Synonym(s): Dihydro-5-(phenylmethyl)-6-thioxo-2H-1,3,5-thiadiazine-3(4H)-acetic acid, 9Cl. 5-Benzyldihydro-6-thioxo-2H-1,3,5-thiadiazine-3(4H)-acetic acid, 8Cl. Defungit. Ujothion



CAS Registry Number: 1219-77-8

Related CAS Registry Numbers(s): 1950-15-8

Molecular Formula: C₁₂H₁₄N₂O₂S₂

Molecular Weight: 282.387

Accurate Mass: 282.049668

Percentage Composition: C 51.04%; H 5.00%; N 9.92%; O 11.33%; S 22.71%

Use/Importance: Antifungal, used esp. for treatment of bovine tuberculostatic ringworm

Melting Point: Mp 150°

Calculated Log P Data: Log P 1.19 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 400 mg/kg

>>Derivative: Triethylamine salt (1:1)

CAS Registry Number: 21720-38-7

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 83-86°

References:

Rieche, A. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1963, **296**, 770, (*synth*)

Tartler, G. *et al.*, *Pharmazie*, 1963, **18**, 630, (*pharmacol*)

Bernat, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1968, **33**, 4283, (*synth*)

Schorr, M. *et al.*, *Arzneim.-Forsch.*, 1969, **19**, 1807, (*pharmacol*)

Martindale, *The Extra Pharmacopoeia*, 28th/29th edn., Pharmaceutical Press, 1982, 12428