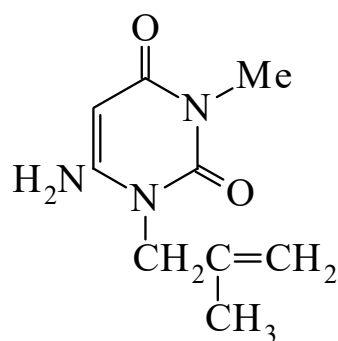




>> **Name:** Amisometradine, BAN, INN

Synonym(s): 6-Amino-3-methyl-1-(2-methyl-2-propenyl)-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl. 6-Amino-3-methyl-1-(2-methylallyl)uracil, 8Cl. Aminoisometradine. Rolicton



CAS Registry Number: 550-28-7

Molecular Formula: C₉H₁₃N₃O₂

Molecular Weight: 195.221

Accurate Mass: 195.100777

Percentage Composition: C 55.37%; H 6.71%; N 21.52%; O 16.39%

Use/Importance: Diuretic

Physical Description: Cryst. (H₂O)

Development Status: Never marketed

Melting Point: Mp 175°

Solubility: Sol. EtOH, Me₂CO; insol. Et₂O

Calculated Log P Data: Log P 0.2 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1560 mg/kg. LD₅₀ (rat, ipr) 515 mg/kg

References:

Papesch, V. *et al.*, *J.O.C.*, 1951, **16**, 1879, (*synth*)

Ford, R.V. *et al.*, *Am. J. Med. Sci.*, 1957, **234**, 640

Van Arman, C.G. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1960, **126**, 400, (*pharmacol*)

Boesch, L. *et al.*, *Sci. Pharm.*, 1978, **46**, 62, (*struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AKL625