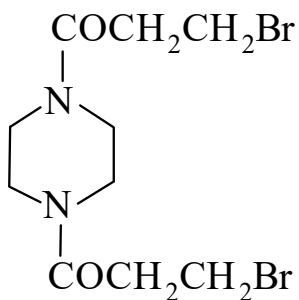




>>Entry Name: 1,4-Bis(3-bromo-1-oxopropyl)piperazine, 9Cl

Synonym(s): 1,4-Bis(3-bromopropionyl)piperazine, 8Cl. **Pipobroman**, INN, JAN, USAN. Amedel. Vercite. Vercyte. A 8103. NSC 25154



CAS Registry Number: 54-91-1

Molecular Formula: C₁₀H₁₆Br₂N₂O₂

Molecular Weight: 356.057

Accurate Mass: 353.99785

Percentage Composition: C 33.73%; H 4.53%; Br 44.88%; N 7.87%; O 8.99%

Use/Importance: Antineoplastic agent used in the treatment of essential thrombocythemia

Physical Description: Cryst. (H₂O)

Melting Point: Mp 106-107°

Calculated Log P Data: Log P 0.81 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 220 mg/kg. Exp. reprod. and teratogenic effects

References:

Groszkowski, S. *et al.*, *J. Med. Chem.*, 1968, **11**, 621, (*synth, pharmacol*)

Olansky, L. *et al.*, *Acta Cryst. B*, 1973, **29**, 357, (*cryst struct*)

Messori, C. *et al.*, *Haematologica*, 1996, **81**, 51, (*use, tox*)

Martindale, The Extra Pharmacopoeia, 31st edn., Pharmaceutical Press, 1996, 595

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, BHJ250*