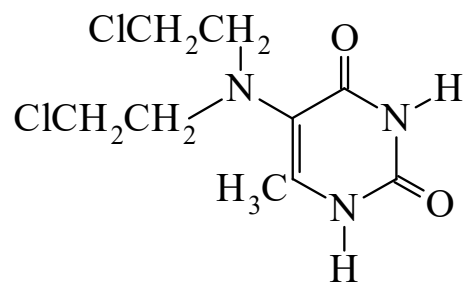




>>Entry Name: Dopan

Synonym(s): 5-[Bis(2-chloroethyl)amino]-6-methyl-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl. 5-[Bis(2-chloroethyl)amino]-6-methyluracil. 6-Methyluracil mustard. NSC 44629



CAS Registry Number: 520-09-2

Type of Compound Code(s): XA1950

Molecular Formula: C₉H₁₃Cl₂N₃O₂

Molecular Weight: 266.126

Accurate Mass: 265.038481

Percentage Composition: C 40.62%; H 4.92%; Cl 26.64%; N 15.79%; O 12.02%

Use/Importance: Antineoplastic agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 184 dec.°

Other Data: Analogue of Uramustine [CBV74-A](#)

Hazard & Toxicity: LD₅₀ (rat, orl) 2.4 mg/kg. Mutagenic props.

References:

Larionov, L.F., *Br. J. Cancer*, 1956, **10**, 26, (*pharmacol*)

Adamovich, A.I. *et al.*, *CA*, 1961, **55**, 3592i, (*synth*)

O'Connor, P.M. *et al.*, *Cancer Commun.*, 1990, **2**, 387, (*pharmacol*)