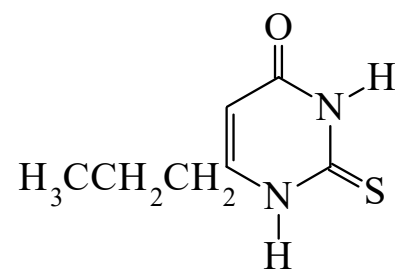




>>Entry Name: **Propylthiouracil**, BAN, INN, JAN, USAN

Synonym(s): 2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone, 9CI. 6-Propyl-2-thiouracil, 8CI. 4-Hydroxy-2-mercapto-6-propylpyrimidine. Propacil. Procasil. Thyneostat II. Many other names



CAS Registry Number: 51-52-5

Molecular Formula: C₇H₁₀N₂OS

Molecular Weight: 170.235

Accurate Mass: 170.051383

Percentage Composition: C 49.39%; H 5.92%; N 16.46%; O 9.40%; S 18.84%

Use/Importance: Thyroid inhibitor (veterinary use). Used in the treatment of hyperthyroidism

Physical Description: Bitter-tasting cryst.

Melting Point: Mp 218-219°

Hazard & Toxicity: Adverse haemopoietic and hepatic effects reported. Human and exp. teratogenic and reprod. effects. possible human carcinogen (IARC Group 2B). LD₅₀ (rat, orl) 1250 mg/kg. Exp. carcinogen

Aldrich: H3420-3

Fluka: 82460

Sigma: P3755

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