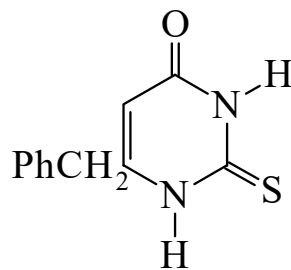




>>Entry Name: Bentiuracil

Synonym(s): 2,3-Dihydro-6-(phenylmethyl)-2-thioxo-4(1*H*)-pyrimidinone, 9Cl. 4-Benzyl-2-thiouracil. 6-Benzyl-2-mercapto-4-pyrimidinol. Basdene



CAS Registry Number: 6336-50-1

Related CAS Registry Numbers(s): 28176-06-9

Molecular Formula: C₁₁H₁₀N₂OS

Molecular Weight: 218.279

Accurate Mass: 218.051383

Percentage Composition: C 60.53%; H 4.62%; N 12.83%; O 7.33%; S 14.69%

Use/Importance: Uridine phosphorylase and thymidine phosphorylase inhibitor. Antineoplastic agent

Melting Point: Mp 222-223°

Rare Chemicals Library: S34185-1

Sigma: B3001

References:

Johnson, T.B. *et al.*, *J.A.C.S.*, 1938, **60**, 2941, (*synth*)

Anderson, G.W. *et al.*, *J.A.C.S.*, 1945, **67**, 2197, (*synth*)

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Delage, C. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. 2*, 1986, **303**, 1645, (*cryst struct*)

Brown, T.H. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1988, **23**, 53, (*synth*)