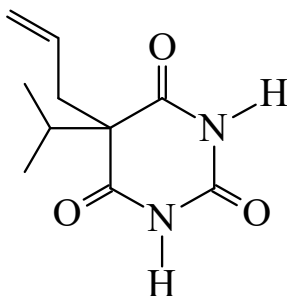




>>Entry Name: Aprobarbital, INN

Synonym(s): 5-(1-Methylethyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9Cl. 5-Allyl-5-isopropylbarbituric acid. Alurate. Numal. Isonal. Aprozal. Allonal. Somnipron. Many other names



CAS Registry Number: 77-02-1

Molecular Formula: C₁₀H₁₄N₂O₃

Molecular Weight: 210.232

Accurate Mass: 210.100443

Percentage Composition: C 57.13%; H 6.71%; N 13.32%; O 22.83%

Biological Use/Importance: Sedative, hypnotic

Physical Description: Cryst.

Melting Point: Mp 140-141.5°

Calculated Log P Data: Log P 1.1 (calc)

Other Data: Polymorphic forms known

Hazard & Toxicity: LD₅₀ (mus, ipr) 200 mg/kg

Sigma: A7023

>>Derivative: Na salt

CAS Registry Number: 125-88-2

Physical Description: Hygroscopic powder

Hazard & Toxicity: LD₅₀ (rat, ipr) 85 mg/kg

>>Derivative: N¹-Me

Synonym(s): 1-Methyl-5-(1-methylethyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9Cl. 5-Allyl-5-isopropyl-1-methylbarbituric acid. Enallylpropymal. Narconumal

CAS Registry Number: 1861-21-8

Molecular Formula: C₁₁H₁₆N₂O₃

Molecular Weight: 224.259

Accurate Mass: 224.116093

Percentage Composition: C 58.91%; H 7.19%; N 12.49%; O 21.40%

Melting Point: Mp 56-57°

Boiling Point: Bp₁₂ 176-178°

Calculated Log P Data: Log P 1.59 (calc)

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