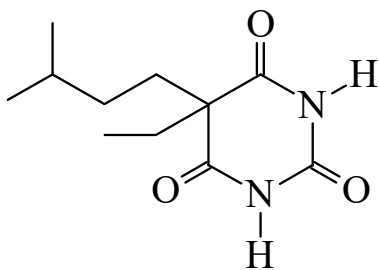




>> **Name:** Amobarbital, INN, USAN

Synonym(s): 5-Ethyl-5-(3-methylbutyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI. 5-Ethyl-5-isopentylbarbituric acid. **Amylobarbitone**, BAN. Amital. Pentymal



CAS Registry Number: 57-43-2

Molecular Formula: C₁₁H₁₈N₂O₃

Molecular Weight: 226.275

Accurate Mass: 226.131743

Percentage Composition: C 58.39%; H 8.02%; N 12.38%; O 21.21%

Use/Importance: Sedative, narcotic

Physical Description: Leaflets (H₂O or EtOH aq.)

Melting Point: Mp 156-158°

pKa Value: p*K*_{a1} 7.96 (25°)

Calculated Log P Data: Log P 2.11 (calc)

Hazard & Toxicity: CNS depressant. LD₅₀ (rat, orl) 250 mg/kg

Sigma: A5255

>>**Derivative:** Na salt

Synonym(s): Amobarbital sodium, USAN. Talamo. Amytal sodium. Barbamyl

CAS Registry Number: 64-43-7

Other Data: Component of Tuinal

Hazard & Toxicity: LD₅₀ (rat, orl) 275 mg/kg

Sigma: A4430

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