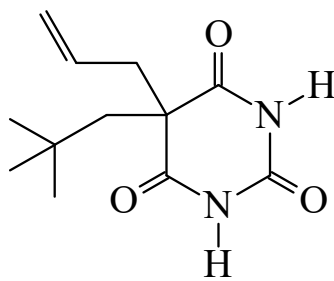




>>Entry Name: Nealbarbital, INN

Synonym(s): 5-(2,2-Dimethylpropyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI. 5-Allyl-5-neopentylbarbituric acid, 8CI. Nealbarbitone, BAN. Alneobarbital. Cenobal. Censedal. Nepental. Nevental



CAS Registry Number: 561-83-1

Related CAS Registry Numbers(s): 21415-30-5

Molecular Formula: C₁₂H₁₈N₂O₃

Molecular Weight: 238.286

Accurate Mass: 238.131743

Percentage Composition: C 60.49%; H 7.61%; N 11.76%; O 20.14%

Use/Importance: Sedative, hypnotic

Physical Description: Slightly bitter cryst.

Development Status: No longer marketed

Melting Point: Mp 155-157°

Solubility: Sol. EtOH, Me₂CO, Et₂O, aq. alkalis; mod. sol. CHCl₃; prac. insol. H₂O, petrol

Calculated Log P Data: Log P 2.03 (calc)

References:

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Games, D.E. *et al.*, *Adv. Mass Spectrom. Biochem. Med., Proc. Int. Symp. Mass Spectrom. Biochem. Med. 2nd, 3rd*, 1976, **1**, 383, (*ms*)

Stuper, A.J. *et al.*, *J. Pharm. Sci.*, 1978, **67**, 745, (*pharmacol*)

Testa, B., *Pharm. Acta Helv.*, 1978, **53**, 143, (*metab*)

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