



>>Entry Name: **Accecarbromal**, INN

Synonym(s): *N*-[(Acetylamino)carbonyl]-2-bromo-2-ethylbutanamide, 9CI. 1-Acetyl-3-(2-bromo-2-ethylbutyryl)urea, 8CI. Sedamyl. Acetyladalín. Abasin. Carbased. Acetylcarbromal. Many other names

CAS Registry Number: 77-66-7

$(\text{H}_3\text{CCH}_2)_2\text{CBrCONHCONHAc}$

Molecular Formula: $\text{C}_9\text{H}_{15}\text{BrN}_2\text{O}_3$

Molecular Weight: 279.133

Accurate Mass: 278.046604

Percentage Composition: C 38.73%; H 5.42%; Br 28.63%; N 10.04%; O 17.20%

Use/Importance: Sedative, hypnotic

Melting Point: Mp 109°

Solubility: Sl. sol. H_2O , sol. EtOH, EtOAc

Calculated Log P Data: Log P 1.9 (calc)

Other Data: Bitter-tasting

Hazard & Toxicity: LD₅₀ (mus, orl) 1600 mg/kg

References:

Kaufmann, H.P., *Arzneimittel-Synthese*, Springer Verlag, Berlin, 1953, (*synth*)

Corn, M. *et al.*, *J. Pharmacol. Exp. Ther.*, 1955, **113**, 58, (*pharmacol*)

Drost, R.H. *et al.*, *Pharm. Weekbl.*, 1970, **105**, 1129, (*uv*)

Goenechea, S., *Mikrochim. Acta*, 1972, 266, (*ir*)

Kaempe, B., *Arch. Pharm. Chemi*, 1974, **81**, 1183, (*glc*)

Thielemann, H., *Sci. Pharm.*, 1975, **43**, 91, (*tlc*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., Pharmaceutical Press, 1982, 4001

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 1600

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ACE000