



>>Entry Name: (Phenylacetyl)urea, 8Cl

Synonym(s): *N*-(Aminocarbonyl)benzeneacetamide, 9Cl. **Phenacemide**, BAN, INN. Neophedan. Phenurone. Many other names

CAS Registry Number: 63-98-9

PhCH2CONHCONH2

Molecular Formula: $C_9H_{10}N_2O_2$

Molecular Weight: 178.19

Accurate Mass: 178.074228

Percentage Composition: C 60.66%; H 5.66%; N 15.72%; O 17.96%

Biological Use/Importance: Anticonvulsant

Physical Description: Cryst. (EtOH)

Development Status: Discontinued

Melting Point: Mp 212-216°

Calculated Log P Data: Log P 0.87 (calc)

Hazard & Toxicity: Adverse haematological, liver and kidney effects reported when used therapeutically. LD₅₀ (rat, orl) 1600 mg/kg. Exp. teratogen

Aldrich: 11814-1

References:

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Spielman, M.A. *et al.*, *J.A.C.S.*, 1948, **70**, 4189, (synth, pharmacol)

Everett, G.M. *et al.*, *J. Pharmacol. Exp. Ther.*, 1952, **106**, 303, (pharmacol)

Semikolennykh, L.M. *et al.*, *Med. Promst. SSSR*, 1965, **19**, 15, (synth)

Paalzow, L., *Acta Pharm. Suec.*, 1969, **6**, 177, (pharmacol)

Jose, C.I. *et al.*, *Indian J. Chem.*, 1969, **7**, 594, (ir)

Locock, R.A. *et al.*, *Org. Mass Spectrom.*, 1970, **3**, 735, (ms)

Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193, (uv)

Akteries, B. *et al.*, *Chem. Ber.*, 1986, **119**, 669, (synth)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 1168, (synonyms)

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