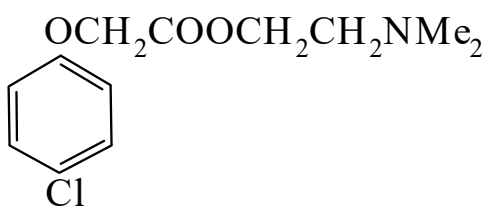




>>Entry Name: **Meclofenoxate**, BAN, INN

Synonym(s): 2-(Dimethylamino)ethyl (4-chlorophenoxy)acetate, gCl. ANP 235. Cetrexin. Clocete. Many other names



CAS Registry Number: 51-68-3

Molecular Formula: C₁₂H₁₆ClNO₃

Molecular Weight: 257.716

Accurate Mass: 257.081871

Percentage Composition: C 55.93%; H 6.26%; Cl 13.76%; N 5.43%; O 18.62%

Biological Use/Importance: CNS stimulant, plant growth regulator, analeptic agent

Calculated Log P Data: Log P 2.67 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 2600 mg/kg

>>Derivative: Hydrochloride

Synonym(s): **Meclofenoxate hydrochloride**, JAN. Brenal. Lucidril. Helfergin. Centrophenoxine

CAS Registry Number: 3685-84-5

Melting Point: Mp 135-139°

Solubility: Insol. C₆H₆, Et₂O, CHCl₃, H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 865 mg/kg

Aldrich: 25778-8

Sigma: C3811

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1229C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 285B, (*ir*)

Thuillier, G. *et al.*, *Bull. Soc. Chim. Fr.*, 1960, 1786, (*synth*)

Mitta, Y. *et al.*, *Radioisotopes*, 1967, **16**, 29, (*synth*)

Zakharevskii, A.S. *et al.*, *Farmakol. Toksikol. (Moscow)*, 1975, **38**, 154, (*pharmacol*)

Wang, S. *et al.*, *CA*, 1984, **101**, 151530, (*synth*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 2406, (*synonyms*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1385

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, AAE500; DPE000