



>>Entry Name: Iproclozide, BAN, INN

Synonym(s): (4-Chlorophenoxy)acetic acid 2-(methylethyl)hydrazide, 9Cl. (*p*-Chlorophenoxy)acetic acid 2-isopropylhydrazide, 8Cl. *N*-(4-Chlorophenoxyacetyl)-*N'*-isopropylhydrazine. Sinderesin. Sursum. PC 603



CAS Registry Number: 3544-35-2

Molecular Formula: C₁₁H₁₅ClN₂O₂

Molecular Weight: 242.704

Accurate Mass: 242.082205

Percentage Composition: C 54.44%; H 6.23%; Cl 14.61%; N 11.54%; O 13.18%

Use/Importance: Monoamine oxidase inhibitor. Formerly used as an antidepressant

Melting Point: Mp 93-94°

Calculated Log P Data: Log P 2.06 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 550 mg/kg. Exp. reprod. effects

References:

Libermann, D. *et al.*, *Bull. Soc. Chim. Fr.*, 1961, 1952

De Sagher, R.M. *et al.*, *Biomed. Mass Spectrom.*, 1975, **2**, 82, (*ms*)

De Sagher, R.M. *et al.*, *Drug Metab. Dispos.*, 1975, **3**, 423, (*metab*)

Fulcrand, P. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1978, **13**, 177, (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 257

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, C1N250