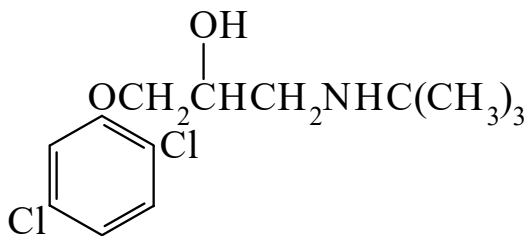




>>Entry Name: Cloranolol, INN

Synonym(s): 1-(2,5-Dichlorophenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, 9Cl. 1-(*tert*-Butylamino)-3-(2,5-dichlorophenoxy)-2-propanol. Chlorpropanol. Tobanum. GYKI 41099



CAS Registry Number: 39563-28-5

Related CAS Registry Numbers(s): 46908-38-7 46908-39-8

Molecular Formula: C₁₃H₁₉Cl₂NO₂

Molecular Weight: 292.204

Accurate Mass: 291.079283

Percentage Composition: C 53.44%; H 6.55%; Cl 24.27%; N 4.79%; O 10.95%

Use/Importance: β-Adrenergic blocker; coronary vasodilator

Calculated Log P Data: Log P 3.43 (calc)

>>Variant: (±)-form

CAS Registry Number: 64969-29-5

Molecular Formula: C₁₃H₁₉Cl₂NO₂

Molecular Weight: 292.204

Accurate Mass: 291.079283

Percentage Composition: C 53.44%; H 6.55%; Cl 24.27%; N 4.79%; O 10.95%

Melting Point: Mp 48°

>>Derivative: Hydrochloride

CAS Registry Number: 54247-25-5

Hazard & Toxicity: LD₅₀ (rat, orl) 1300 mg/kg. LD₅₀ (rat, ivn) 25 mg/kg

References:

- Ger. Pat.*, 1972, 2 213 044; *CA*, **78**, 15780p, (*synth, pharmacol*)
Bercher, H. *et al.*, *Acta Biol. Med. Ger.*, 1976, **35**, 79, (*pharmacol*)
Szepesi, G. *et al.*, *J. Pharm. Biomed. Anal.*, 1987, **6**, 623, (*hplc*)
Kulcsar-Gargely, J., *Arzneim.-Forsch.*, 1989, **39**, 782, (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 632