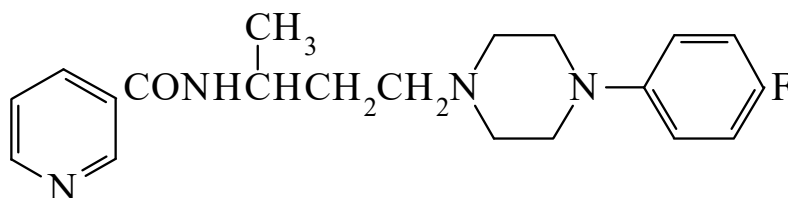




>>Entry Name: Niaprazine, INN

Synonym(s): *N*-[3-[4-(4-Fluorophenyl)-1-piperazinyl]-1-methylpropyl]-3-pyridinecarboxamide, 9Cl. *N*-[3-[4-(*p*-Fluorophenyl)-1-piperazinyl]-1-methylpropyl]nicotinamide, 8Cl. CERM 1709. Nopron



CAS Registry Number: 27367-90-4

Related CAS Registry Numbers(s): 34426-53-4 119306-36-4 119328-74-4

Molecular Formula: C₂₀H₂₅FN₄O

Molecular Weight: 356.442

Accurate Mass: 356.201239

Percentage Composition: C 67.39%; H 7.07%; F 5.33%; N 15.72%; O 4.49%

Use/Importance: Histamine H₁-receptor antagonist. Antiallergic agent. Sedative, hypnotic with reported use in children

Calculated Log P Data: Log P 3.24 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 890 mg/kg. LD₅₀ (mus, ivn) 145 mg/kg

>>Variant: (±)-form

CAS Registry Number: 119306-37-5

Molecular Formula: C₂₀H₂₅FN₄O

Molecular Weight: 356.442

Accurate Mass: 356.201239

Percentage Composition: C 67.39%; H 7.07%; F 5.33%; N 15.72%; O 4.49%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 131°

>>Derivative: Hydrochloride (1:3)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 160 dec.°

References:

Ger. Pat., 1970, *CERM*, 1 957 371; *CA*, **73**, 25518v, (*synth, tox, pharmacol*)

Duchene-Marullaz, P. *et al.*, *Therapie*, 1971, **26**, 1203, (*pharmacol, tox*)

Scherman, D. *et al.*, *Prog. Neuro-Psychopharmacol. Biol. Psychiatry*, 1988, **12**, 989, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 942