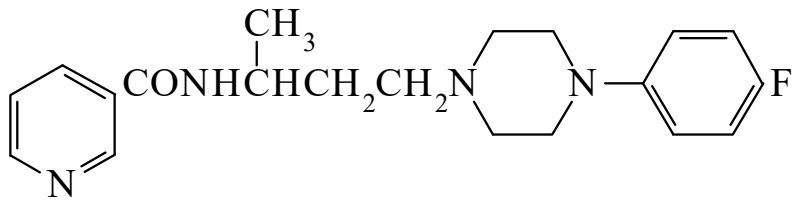
>>**Entry Name: Niaprazine,** INN
Synonym(s): *N*-[3-[4-(4-Fluorophenyl)-1-piperazinyl]-1-methylpropyl]-3-pyridinecarboxamide, 9CI. *N*-[3-[4-(*p*-Fluorophenyl)-1-piperazinyl]-1-methylpropyl]nicotinamide, 8CI. CERM 1709. Nopron



CAS Registry Number: 27367-90-4
Related CAS Registry Numbers(s): 34426-53-4 119306-36-4 119328-74-4

Molecular Formula: $C_{20}H_{25}FN_4O$
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 H_1-receptor antagonist. Antiallergic agent. Sedative, hypnotic with reported use in children
Calculated Log P Data: Log P 3.24 (calc)
Hazard & Toxicity: LD_{50} (mus, orl) 890 mg/kg. LD_{50} (mus, ivn) 145 mg/kg

>>**Variant:** (±)-form

CAS Registry Number: 119306-37-5
Molecular Formula: $C_{20}H_{25}FN_4O$
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