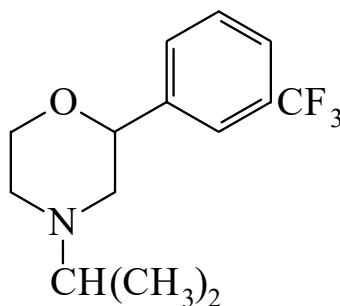




>>Entry Name: Oxaflazane, INN

Synonym(s): 4-(1-Methylethyl)-2-[3-(trifluoromethyl)phenyl]morpholine, 9Cl. 4-Isopropyl-2-(α,α,α -trifluoro-*m*-tolyl)morpholine, 8Cl. Conflictan. CERM 1766



CAS Registry Number: 26629-87-8

Molecular Formula: C₁₄H₁₈F₃NO

Molecular Weight: 273.297

Accurate Mass: 273.134048

Percentage Composition: C 61.53%; H 6.64%; F 20.85%; N 5.13%; O 5.85%

Use/Importance: Antidepressant

>>Variant: ($\pm$)-form

Molecular Formula: C₁₄H₁₈F₃NO

Molecular Weight: 273.297

Accurate Mass: 273.134048

Percentage Composition: C 61.53%; H 6.64%; F 20.85%; N 5.13%; O 5.85%

Boiling Point: Bp₃ 99°

Calculated Log P Data: Log P 3.79 (calc)

>>Derivative: Hydrochloride

Extra CAS Registry Numbers(s): 26629-86-7

Melting Point: Mp 164°

Hazard & Toxicity: LD₅₀ (mus, orl) 365 mg/kg. LD₅₀ (mus, ivn) 80 mg/kg

References:

Fr. Pat., 1969, CERM, 1 564 792; *CA*, **72**, 79065t, (*synth*)

Hache, J. *et al.*, *Therapie*, 1974, **29**, 81; 95, (*tox, pharmacol*)

Busch, N. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1976, **11**, 201, (*synth, activity*)

Constantin, M. *et al.*, *Arzneim.-Forsch.*, 1979, **29**, 109, (*metab*)

Weintraub, P.M. *et al.*, *J.O.C.*, 1980, **45**, 4989, (*synth*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 266

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, IRP000