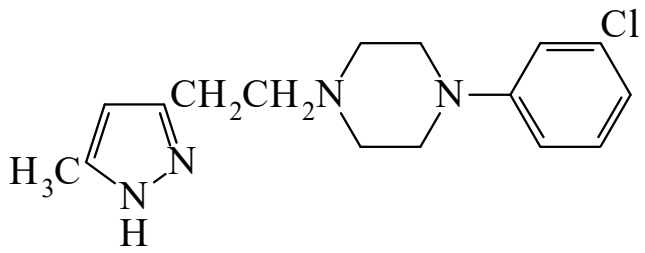
>>**Entry Name: Mepiprazole,** BAN, INN
Synonym(s): 1-(3-Chlorophenyl)-4-[2-(5-methyl-1*H*-pyrazol-3-yl)ethyl]piperazine, 9CI, 8CI. PAP. EMD 16923



CAS Registry Number: 20326-12-9

Molecular Formula: $C_{16}H_{21}ClN_4$
Molecular Weight: 304.821
Accurate Mass: 304.145473
Percentage Composition: C 63.05%; H 6.94%; Cl 11.63%; N 18.38%
Use/Importance: 5-HT and α-adrenoceptor antagonist. Tranquilliser, analgesic, antiinflammatory agent
Melting Point: Mp 106°
Calculated Log P Data: Log P 3.64 (calc)

>>**Derivative:** Hydrochloride (1:2)
Synonym(s): Psigodal. H 4007

CAS Registry Number: 20344-15-4
Physical Description: Cryst. (EtOH)
Melting Point: Mp 234°
Hazard & Toxicity: LD_{50} (rat, orl) 570 mg/kg. Exp. reprod. and teratogenic effects

References:

Poetsch, E. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1975, **10**, 154; 162, *(synth)*
Fuxe, K. *et al.*, *Eur. J. Pharmacol.*, 1976, **35**, 93, *(pharmacol)*
Maj, J. *et al.*, *Pol. J. Pharmacol. Pharm.*, 1980, **32**, 475, *(pharmacol)*
Fong, M.H. *et al.*, *J. Pharm. Pharmacol.*, 1982, **34**, 674, *(metab)*
Martindale, The Extra Pharmacopoeia, 28th/29th edn., Pharmaceutical Press, 1982, 12929
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 9th edn., Van Nostrand Reinhold*, 1996, MCH535