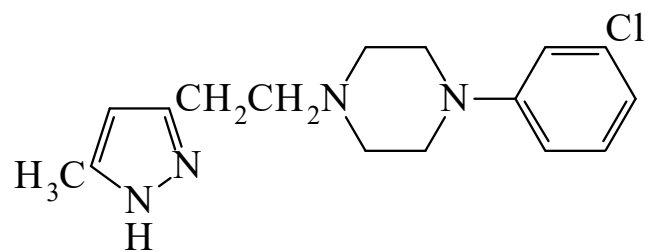




>>Entry Name: **Mepiprazole**, BAN, INN

Synonym(s): 1-(3-Chlorophenyl)-4-[2-(5-methyl-1*H*-pyrazol-3-yl)ethyl]piperazine, 9Cl, 8Cl. PAP. EMD 16923



CAS Registry Number: 20326-12-9

Molecular Formula: C<sub>16</sub>H<sub>21</sub>ClN<sub>4</sub>

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  $\alpha$ -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<sub>50</sub> (rat, orl) 570 mg/kg. Exp. reprod. and teratogenic effects

#### References:

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Maj, J. *et al.*, *Pol. J. Pharmacol. Pharm.*, 1980, **32**, 475, (*pharmacol*)

Fong, M.H. *et al.*, *J. Pharm. Pharmacol.*, 1982, **34**, 674, (*metab*)

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