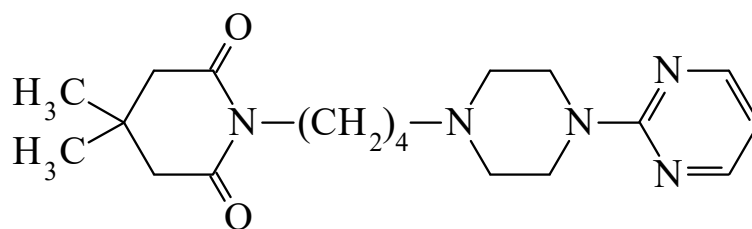




>>Entry Name: Gepirone, INN

Synonym(s): 4,4-Dimethyl-1-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-2,6-piperidinedione, 9Cl. 3,3-Dimethyl-1-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]glutarimide



CAS Registry Number: 83928-76-1

Molecular Formula: C₁₉H₂₉N₅O₂

Molecular Weight: 359.47

Accurate Mass: 359.232125

Percentage Composition: C 63.48%; H 8.13%; N 19.48%; O 8.90%

Use/Importance: 5-HT_{1A} agonist; anxiolytic, tranquilliser

Calculated Log P Data: Log P 2.09 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): Gepirone hydrochloride, USAN. BMJ 13805-1. MJ 13805-1

CAS Registry Number: 83928-66-9

Physical Description: Trimorphic cryst.

Melting Point: Mp 180°. Mp 200°. Mp 212°

References:

- Yevich, J.P. *et al.*, *J. Med. Chem.*, 1983, **26**, 194, (*synth, pharmacol*)
Behme, R.J. *et al.*, *J. Pharm. Sci.*, 1985, **74**, 1041, (*polymorphism*)
Caccia, S. *et al.*, *Xenobiotica*, 1985, **15**, 835, (*metab*)
New, J.S. *et al.*, *J. Med. Chem.*, 1986, **29**, 1476, (*pharmacol*)
Feighner, J.P. *et al.*, *Psychopathology, Suppl. 1*, 1989, **22**, 13; 21, (*rev*)
Amsterdam, J.D., *Prog. Neuro-Psychopharmacol. Biol. Psychiatry*, 1992, **16**, 271, (*pharmacol, human*)
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