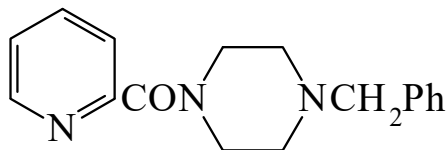




>>Entry Name: **Piberaline**, INN

Synonym(s): 1-(Phenylmethyl)-4-(2-pyridinylcarbonyl)piperazine, 9Cl. 1-Benzyl-4-picolinoylpiperazine. Trelibet. Egyt-475



CAS Registry Number: 39640-15-8

Related CAS Registry Numbers(s): 55513-04-7

Molecular Formula: C₁₇H₁₉N₃O

Molecular Weight: 281.357

Accurate Mass: 281.152812

Percentage Composition: C 72.57%; H 6.81%; N 14.93%; O 5.69%

Use/Importance: Antidepressant

Physical Description: Pale yellow oil; cryst. (as dihydrate)

Melting Point: Mp 81-82° (as dihydrate)

Boiling Point: Bp_{0.1} 218-220°

Calculated Log P Data: Log P 2.11 (calc)

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 39640-12-5

Physical Description: Cryst. (EtOH)

Melting Point: Mp 216-217°

>>Derivative: Fumarate (1:1)

CAS Registry Number: 39640-14-7

Hazard & Toxicity: LD₅₀ (mus, orl) 1000 mg/kg

References:

Ger. Pat., 1972, *EGyT*, 2 215 545; *CA*, **78**, 16227a, (*synth, pharmacol*)

Nogradi, M., *Drugs of the Future*, 1984, **9**, 30, (*rev*)

Olajos, S. *et al.*, *J. Chromatogr.*, 1986, **378**, 155, (*gc*)

Malomvolgyi, B. *et al.*, *Acta Physiol. Acad. Sci. Hung.*, 1991, **78**, 201, (*pharmacol*)