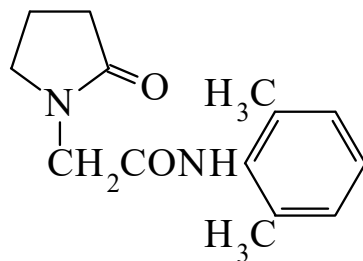




>>Entry Name: Nefiracetam, INN

Synonym(s): *N*-(2,6-Dimethylphenyl)-2-oxo-1-pyrrolidineacetamide, 9CI. Feniracetam. DM 9384. DZL 221



CAS Registry Number: 77191-36-7

Molecular Formula: C₁₄H₁₈N₂O₂

Molecular Weight: 246.308

Accurate Mass: 246.136828

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Use/Importance: GABAergic and cholinergic activity. Nootropic agent. Cognition adjuvant. Shows anti-amnesiac props.

Physical Description: Cryst. (H₂O)

Melting Point: Mp 153°

Calculated Log P Data: Log P 0.71 (calc)

References:

Ger. Pat., 1980, *A Nattermann*, 2 924 011; *CA*, **94**, 156740t, (*synth, pharmacol*)

Fujimaki, Y. *et al.*, *J. Chromatogr.*, 1988, **433**, 235; 1992, **575**, 261, (*hplc*)

Sakurai, T. *et al.*, *Jpn. J. Pharmacol.*, 1989, **50**, 47, (*pharmacol*)

Nabeshima, T. *et al.*, *Eur. J. Pharmacol.*, 1990, **178**, 143, (*pharmacol*)

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