

Product Data Sheet

Product Name: Levetimide

Cat. No.: GC36442

Chemical Properties

Cas. No. 21888-99-3

SMILES O=C(N1)[C@](C2=CC=CC=C2)(CCC1=O)C3CCN(CC3)CC4=CC=CC=C4

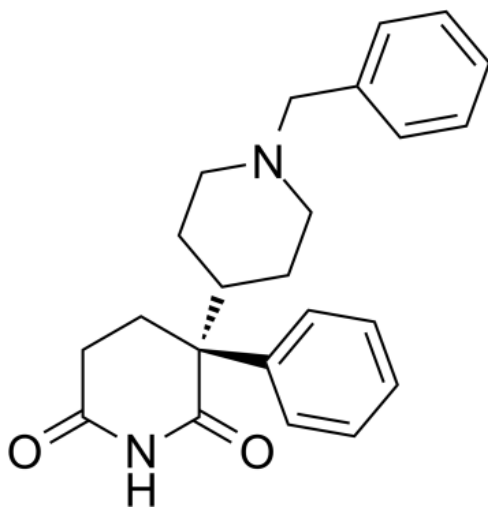
Formula $C_{23}H_{26}N_2O_2$ M.Wt 362.46

Solubility DMSO: ≥ 100 mg/mL (275.89 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Levetimide is a potent and stereoselective inhibitor of $[3\text{H}](+)\text{pentazocine}$ binding, with a K_i of 2.2 nM[1].

Levetimide potently inhibits $[3\text{H}]\text{DTG}$ binding although without stereoselectivity (K_i value of 103 nM) [1].

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. DeHaven-Hudkins DL, et al. Binding of dexetimide and levetimide to [3H](+)pentazocine- and [3H]1,3-di(2-tolyl)guanidine-defined sigma recognition sites. Life Sci. 1991;49(18):PL135-9.

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