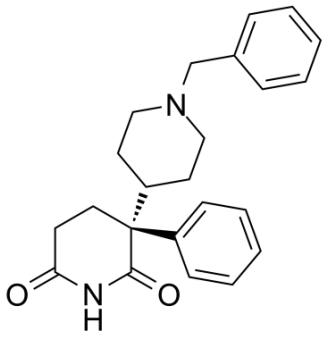
Levetimide

Cat. No.:	HY-105545A
CAS No.:	21888-99-3
Molecular Formula:	$C_{23}H_{26}N_2O_2$
Molecular Weight:	362.46
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (275.89 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.7589 mL	13.7946 mL	27.5893 mL
	5 mM	0.5518 mL	2.7589 mL	5.5179 mL
	10 mM	0.2759 mL	1.3795 mL	2.7589 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Levetimide is a potent and stereoselective inhibitor of [^{3}H](+)pentazocine binding, with a K_i of 2.2 nM[1].
In Vitro	Levetimide potently inhibits [^{3}H]DTG binding although without stereoselectivity (K_i value of 103 nM) [1].

REFERENCES

[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.

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

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