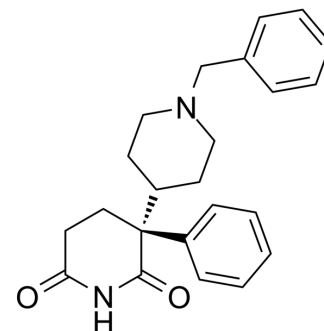


Levetimide

Cat. No.:	HY-105545A		
CAS No.:	21888-99-3		
Molecular Formula:	C ₂₃ H ₂₆ N ₂ O 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.

Concentration	Mass		
	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 [³H](+)-pentazocine binding, with a K_i of 2.2 nM^[1].

In Vitro

Levetimide potently inhibits [³H]DTG binding although without stereoselectivity (K_i value of 103 nM)^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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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