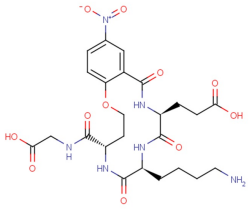
Data Sheet (Cat.No.T17000)

TargetMol
A DRUG SCREENING EXPERT

Tavilermide

Chemical Properties



CAS No.:	263251-78-1
Formula:	C24H32N6O11
Molecular Weight:	580.54
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Tavilermide is a selective and partial agonist of TrkA or a nerve growth factor mimetic.
Targets(IC_{50})	TrkA: None
In vitro	Tavilermide demonstrates activities similar to NGF (but does not bind to the p75NTR receptor) and can potentiate the effects of suboptimal concentrations of NGF. Tavilermide is a proteolytically stable, cyclic peptidomimetic that has been shown to be a partial TrkA receptor agonist [1].

Solubility Information

Solubility	H2O: 5 mg/mL (8.61 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.723 mL	8.613 mL	17.225 mL
5 mM	0.345 mL	1.723 mL	3.445 mL
10 mM	0.172 mL	0.861 mL	1.723 mL
50 mM	0.034 mL	0.172 mL	0.345 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Meerovitch K, et al. Safety and efficacy of MIM-D3 ophthalmic solutions in a randomized, placebo-controlled Phase 2 clinical trial in patients with dry eye. Clin Ophthalmol. 2013;7:1275-85.

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