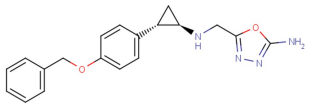
Data Sheet (Cat.No.T17211)

TargetMol
A DRUG SCREENING EXPERT

Vafidemstat

Chemical Properties



CAS No.:	1357362-02-7
Formula:	C19H20N4O2
Molecular Weight:	336.39
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Vafidemstat is a dual inhibitor of lysine-specific histone demethylase (LSD1)/MAO-B.
Targets(IC_{50})	LSD1/MAO-B: None
In vitro	Vafidemstat is a dual LSD1/MAO-B inhibitor and is a novel epigenetic agent for the treatment of neurodegenerative diseases. LSD1 is a protein that participates in transcription regulation complexes. Vafidemstat can be used in the treatment of Alzheimer's disease [1][2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.973 mL	14.864 mL	29.727 mL
5 mM	0.595 mL	2.973 mL	5.945 mL
10 mM	0.297 mL	1.486 mL	2.973 mL
50 mM	0.059 mL	0.297 mL	0.595 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. ORYZON presents data on the Phase I trial with ORY-2001 at the 13th International Conference on Alzheimer’ s and Parkinson’ s diseases

2. ORYZON Reports Financial Results and Corporate Update for the 1st Half Ended June 30, 2018.

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