

Ordopidine

Chemical Properties

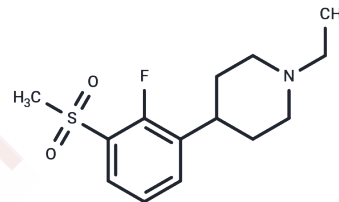
CAS No. : 871351-60-9

Formula: C₁₄H₂₀FNO₂S

Molecular Weight: 285.38

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ordopidine (ACR325) is a dopaminergic stabilizer that suppresses psychostimulant-induced hyperactivity disorder and stimulates behavior during inactivity. Ordopidine acts as a dopamine D2 receptor antagonist in vitro and, despite its low affinity, its specific state-dependent behavioral effect characteristics are not generally shared by D2 receptor antagonists.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 45 mg/mL (157.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5041 mL	17.5205 mL	35.041 mL
5 mM	0.7008 mL	3.5041 mL	7.0082 mL
10 mM	0.3504 mL	1.752 mL	3.5041 mL
50 mM	0.0701 mL	0.3504 mL	0.7008 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Waters S, et al. The dopaminergic stabilizers pridopidine and orodopidine enhance cortico-striatal Arc gene expression. J Neural Transm (Vienna). 2014 Nov;121(11):1337-47.

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