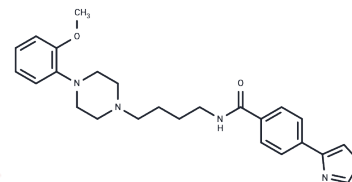


OS-3-106

Chemical Properties

CAS No. : 1580000-17-4
Formula: C₂₅H₃₀N₄O₂S
Molecular Weight: 450.6
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	OS-3-106 is a novel arylamide phenylpiperazines, as partial agonists at the D3R in the adenylyl cyclase inhibition assay.
Targets(IC50)	Dopamine Receptor
In vitro	The effect of OS-3-106 (10 mg/kg) on the dose-response function of cocaine self-administration.?OS-3-106 decreased cocaine and sucrose reinforcement rates, increased latency to first response for cocaine but not sucrose, and downshifted the cocaine self-administration dose-response function.?Thish compounds blocked a D3R-mediated behavior.

Solubility Information

Solubility	DMSO: 4.51 mg/mL (10 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2193 mL	11.0963 mL	22.1926 mL
5 mM	0.4439 mL	2.2193 mL	4.4385 mL
10 mM	0.2219 mL	1.1096 mL	2.2193 mL
50 mM	0.0444 mL	0.2219 mL	0.4439 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.

Reference

Cheung T , Loriaux A L , Weber S M , et al. Reduction of cocaine self-administration and D3 receptor-mediated behavior by two novel dopamine D3 receptor-selective partial agonists, OS-3-106 and WW-III-55.[J]. Journal of

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