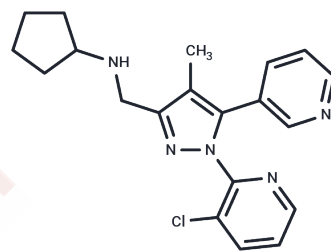


ORL1 antagonist 1

Chemical Properties

CAS No. :	1174985-59-1
Formula:	C ₂₀ H ₂₂ ClN ₅
Molecular Weight:	367.88
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	ORL1 antagonist 1 is an o antagonist of opioid receptor-like 1 (ORL1) (IC ₅₀ of 61 nM).
Targets(IC ₅₀)	Opioid Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (149.51 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	2.7183 mL	13.5914 mL	27.1828 mL
5 mM	0.5437 mL	2.7183 mL	5.4366 mL
10 mM	0.2718 mL	1.3591 mL	2.7183 mL
50 mM	0.0544 mL	0.2718 mL	0.5437 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

Kobayashi K, et al. Discovery of novel arylpyrazole series as potent and selective opioid receptor-like 1 (ORL1) antagonists. *Bioorg Med Chem Lett.* 2009 Jul 1;19(13):3627-31.

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