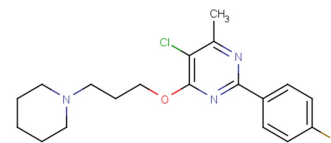


Sigma-1 receptor antagonist 3

Chemical Properties

CAS No.:	1639220-17-9
Formula:	C ₁₉ H ₂₃ ClFN ₃ O
Molecular Weight:	363.86
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Sigma-1 receptor antagonist 3 is a potent and selective antagonist of Sigma-1 (σ_1) receptor (K_i : 1.14 nM), has the potential for the neuropathic pain.
Targets(IC ₅₀)	hERG: 1.54 μ M

Solubility Information

Solubility	DMSO: 12.5 mg/mL (34.35 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.748 mL	13.742 mL	27.483 mL
5 mM	0.55 mL	2.748 mL	5.497 mL
10 mM	0.275 mL	1.374 mL	2.748 mL
50 mM	0.055 mL	0.275 mL	0.55 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lan Y, et al. Synthesis and biological evaluation of novel sigma-1 receptor antagonists based on pyrimidine scaffold as agents for treating neuropathic pain. J Med Chem. 2014 Dec 26;57(24):10404-23.

Inhibitors · Natural Compounds · Compound Libraries

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