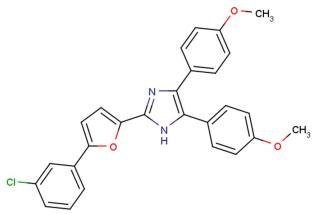
Data Sheet (Cat.No.T16287)

TargetMol
A DRUG SCREENING EXPERT

Neurodazine

Chemical Properties



CAS No.:	937807-66-4
Formula:	C27H21ClN2O3
Molecular Weight:	456.92
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Neurodazine is an imidazole-based small molecule, serves as a promoter of neurogenesisin pluripotent cells. Neurodazine selectively inhibits astrocyte differentiation of P19 cells. Neurodazine promotes neurogenesis by activating Wnt and Shh signaling pathways.
Targets(IC_{50})	Others: None

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.189 mL	10.943 mL	21.886 mL
5 mM	0.438 mL	2.189 mL	4.377 mL
10 mM	0.219 mL	1.094 mL	2.189 mL
50 mM	0.044 mL	0.219 mL	0.438 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. Kim GH, et al. Imidazole-based small molecules that promote neurogenesis in pluripotent cells. Angew Chem Int Ed Engl. 2014 Aug 25;53(35):9271-4.
2. Halder D, et al. Synthetic small molecules that induce neuronal differentiation in neuroblastoma and fibroblast cells. Mol Biosyst. 2015 Oct;11(10):2727-37.

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