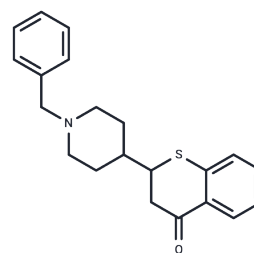


σ 1 Receptor antagonist-1

Chemical Properties

CAS No. :	1204401-49-9
Formula:	C ₂₁ H ₂₃ NOS
Molecular Weight:	337.48
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	σ 1 Receptor antagonist-1 is a selective σ 1 receptor antagonist.
Targets(IC50)	Apoptosis,Sigma receptor
In vitro	σ 1 Receptor antagonist-1 (compound 9) (10 μ M; 48 hours) arrests cell cycle at G0/G1 phase to inhibit cell growth, and induces apoptosis of MCF-7/ADR cells[1]

Solubility Information

Solubility	DMSO: 90 mg/mL (266.68 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	2.9631 mL	14.8157 mL	29.6314 mL
5 mM	0.5926 mL	2.9631 mL	5.9263 mL
10 mM	0.2963 mL	1.4816 mL	2.9631 mL
50 mM	0.0593 mL	0.2963 mL	0.5926 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

Piergentili A, et al. Novel highly potent and selective sigma 1 receptor antagonists related to spipethiane. J Med Chem. 2010;53(3):1261-1269.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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