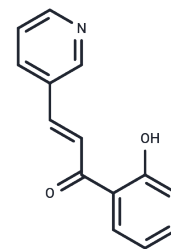


NSC49652

Chemical Properties

CAS No. : 908563-68-8
 Formula: C₁₄H₁₁NO₂
 Molecular Weight: 225.24
 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	NSC49652 triggers apoptotic cell death dependent on p75NTR and JNK activity in neurons and melanoma cells, and inhibits tumor growth in a melanoma mouse model.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: 50 mg/mL (221.99 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	4.4397 mL	22.1985 mL	44.3971 mL
5 mM	0.8879 mL	4.4397 mL	8.8794 mL
10 mM	0.444 mL	2.2199 mL	4.4397 mL
50 mM	0.0888 mL	0.444 mL	0.8879 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

Goh ETH, et al. A Small Molecule Targeting the Transmembrane Domain of Death Receptor p75NTR Induces Melanoma Cell Death and Reduces Tumor Growth. Cell Chem Biol. 2018 Dec 20;25(12):1485-1494.e5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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