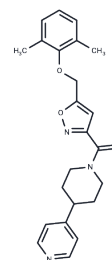


Dafadine-A

Chemical Properties

CAS No. : 1065506-69-5
 Formula: C₂₃H₂₅N₃O₃
 Molecular Weight: 391.46
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Dafadine-A is an analog of dafadine and a novel inhibitor of DAF-9 cytochrome P450 in the nematode <i>Caenorhabditis elegans</i> . Mammalian orthologs that also inhibit DAF-9 (CYP27A1).
Targets(IC ₅₀)	Cytochromes P450

Solubility Information

Solubility	DMSO: 50 mg/mL (127.73 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	2.5545 mL	12.7727 mL	25.5454 mL
5 mM	0.5109 mL	2.5545 mL	5.1091 mL
10 mM	0.2555 mL	1.2773 mL	2.5545 mL
50 mM	0.0511 mL	0.2555 mL	0.5109 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.

Reference

Luciani GM, et al. Dafadine inhibits DAF-9 to promote dauer formation and longevity of *Caenorhabditis elegans*. Nat Chem Biol. 2011 Nov 6;7(12):891-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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