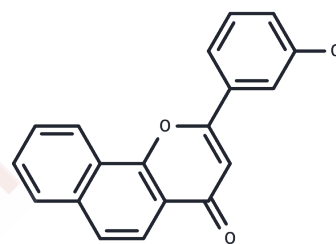


CYP1B1-IN-1

Chemical Properties

CAS No. :	842122-33-2
Formula:	C ₁₉ H ₁₁ ClO ₂
Molecular Weight:	306.74
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	CYP1B1-IN-1 is a selective and highly potent cytochrome P450 1B1 (CYP1B1) inhibitor with potential anticancer and antitumor activity for breast cancer research.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 50 mg/mL (163 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	3.2601 mL	16.3004 mL	32.6009 mL
5 mM	0.652 mL	3.2601 mL	6.5202 mL
10 mM	0.326 mL	1.630 mL	3.2601 mL
50 mM	0.0652 mL	0.326 mL	0.652 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

Dong J, et al. Synthesis and structure-activity relationship studies of α -naphthoflavone derivatives as CYP1B1 inhibitors. Eur J Med Chem. 2020 Feb 1;187:111938.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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