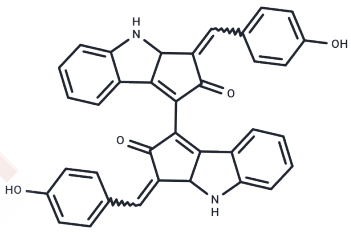
Data Sheet (Cat.No.T70244)

TargetMol

JRN73958

Chemical Properties



CAS No. : 171773-95-8

Formula: C36H24N2O4

Molecular Weight: 548.59

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	JRN73958 is an important precursor for the synthesis of scytonemin, also called Reduced scytonemin. Scytonemin is a biological pigment synthesized by many strains of cyanobacteria, including Calothrix sp., Lyngbya aestuarii, and others. Scytonemin is also a potent PKL1 inhibitor, which inhibits cell proliferation and arrests cell cycle through downregulating Plk1 activity in many cancel cells. Scytonemin was able to inhibit the proliferation of three myeloma cells in a dose-dependent manner, while U266 was the most sensitive one to scytonemin. Scytonemin , representing a novel Plk1 inhibitor, induced the inhibition of cell growth and cell cycle arrest in multiple myeloma cells by specifically decreasing Plk1 activity. This product has no formal name at the moment. For the convenience of communication, a temporary code name was therefore proposed according to MedKoo Chemical Nomenclature (see web page: https://www.medkoo.com/page/naming).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8229 mL	9.1143 mL	18.2285 mL
5 mM	0.3646 mL	1.8229 mL	3.6457 mL
10 mM	0.1823 mL	0.9114 mL	1.8229 mL
50 mM	0.0365 mL	0.1823 mL	0.3646 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.

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