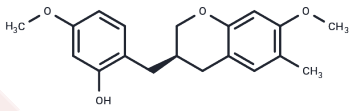
Data Sheet (Cat.No.TN8644)

TargetMol

Homoisopogon B

Chemical Properties



CAS No. : 2253112-90-0

Formula: C19H22O4

Molecular Weight: 314.38

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	Homoisopogon B is a homoisoflavane found in the tubers of Ophiopogon japonicus. Homoisopogon B shows cytotoxic activity against cancer cells. Homoisopogon B can be used for the research of cancer, such as human lung adenocarcinoma and human melanoma. Homoisopogon B is additionally relevant in oncological cellular research models for investigating homoisoflavane-mediated effects on tumor cell proliferation pathways and for studying apoptosis-associated signaling mechanisms in malignant cell systems.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1809 mL	15.9043 mL	31.8086 mL
5 mM	0.6362 mL	3.1809 mL	6.3617 mL
10 mM	0.3181 mL	1.5904 mL	3.1809 mL
50 mM	0.0636 mL	0.3181 mL	0.6362 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

Dang NH, et al. Cytotoxic Homoisoflavonoids from Ophiopogon japonicus Tubers. Chem Pharm Bull (Tokyo). 2017; 65(2):204-207.

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