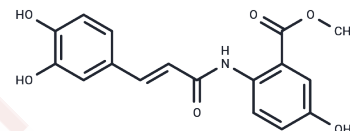


Avenanthramide-C methyl ester

Chemical Properties

CAS No. :	955382-52-2
Formula:	C17H15NO6
Molecular Weight:	329.3
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	Avenanthramide-C methyl ester inhibits NF-κB activation by blocking the phosphorylation of IKK and IκB (IC50 ~ 40 μM), thereby dose-dependently inhibiting the expression and secretion of IL-6, IL-8, and MCP-1 in human aortic endothelial cells.
Targets(IC50)	Others,NF-κB

Solubility Information

Solubility	DMSO:PBS(pH7.2) (1:1): 0.5 mg/mL (1.52 mM),Sonication is recommended. DMSO: 20 mg/mL (60.73 mM),Sonication is recommended. DMF: 20 mg/mL (60.73 mM),Sonication is recommended. Ethanol: 10 mg/mL (30.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0367 mL	15.1837 mL	30.3674 mL
5 mM	0.6073 mL	3.0367 mL	6.0735 mL
10 mM	0.3037 mL	1.5184 mL	3.0367 mL
50 mM	0.0607 mL	0.3037 mL	0.6073 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481