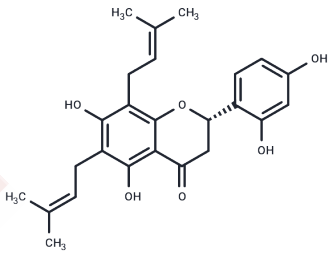
Data Sheet (Cat.No.T8214)

TargetMol

Kushenol E

Chemical Properties



CAS No. : 99119-72-9

Formula: C25H28O6

Molecular Weight: 424.5

Storage: Store at low temperature
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	Kushenol E (Flemiphilippinin D) is a class of flavonoids isolated from Sophora flavescens. It is a non-competitive IDO1 inhibitor (IC50: 7.7 μM, Ki: 9.5 μM), has anti-tumor activity.
Targets(IC50)	IDO,Indoleamine 2,3-Dioxygenase (IDO)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3557 mL	11.7786 mL	23.5571 mL
5 mM	0.4711 mL	2.3557 mL	4.7114 mL
10 mM	0.2356 mL	1.1779 mL	2.3557 mL
50 mM	0.0471 mL	0.2356 mL	0.4711 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

Kwon M, et al. Inhibitory effects of flavonoids isolated from Sophora flavescens on indoleamine 2,3-dioxygenase 1 activity. J Enzyme Inhib Med Chem. 2019 Dec;34(1):1481-1488.

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