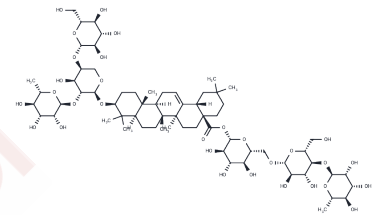


Hederacolchiside E

Chemical Properties

CAS No. :	33783-82-3
Formula:	C ₆₅ H ₁₀₆ O ₃₀
Molecular Weight:	1367.52
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Hederacolchiside E has antioxidant activity and shows neuroprotective effects in Alzheimer's disease (AD) models via modulating oxidative stress. Hederacolchiside E exhibits inhibition on lipid peroxidation of linoleic acid emulsion. Hederacolchiside E ma
Targets(IC50)	Apoptosis,Beta Amyloid,Parasite,ROS
In vitro	Hederacolchiside exhibited a strong total antioxidant activity. At the concentration of 75 µg/mL, these saponins showed 88% inhibition on lipid peroxidation of linoleic acid emulsion[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7313 mL	3.6563 mL	7.3125 mL
5 mM	0.1463 mL	0.7313 mL	1.4625 mL
10 mM	0.0731 mL	0.3656 mL	0.7313 mL
50 mM	0.0146 mL	0.0731 mL	0.1463 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

Antioxidant activity of saponins isolated from ivy: alpha-hederin, hederasaponin-C, hederacolchiside-E and hederacolchiside-F.Planta Med. 2004 Jun;70(6):561-3.

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