

Actinoside E

Chemical Properties

CAS No. :	1340600-30-7
Formula:	C37H44O21
Molecular Weight:	824.73
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	Actinoside E (Kaempferol 3-O-2,4'''-acetylramninoside) is a flavonoid triglycoside with antioxidant activity. Actinoside E (Kaempferol 3-O-2,4'''-acetylramninoside) scavenges DPPH, superoxide anion and hydroxyl radicals, and inhibits lipid peroxidation in mouse liver homogenate. Actinoside E (Kaempferol 3-O-2,4'''-acetylramninoside) is used in oxidative stress-related biochemical research models and in studies of redox balance regulation in hepatic tissue homogenate systems.
Targets(IC50)	Others
In vitro	Methods:The in vitro antioxidant capacity of actinoside E at different concentrations was determined. Its free radical scavenging effect and inhibitory activity on lipid peroxidation in mouse liver homogenate were evaluated. Results:Actinoside E exhibited in vitro antioxidant activity in a dose-dependent manner. It could scavenge DPPH radicals, superoxide anions and hydroxyl radicals, and inhibit lipid peroxidation in mouse liver homogenate [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2125 mL	6.0626 mL	12.1252 mL
5 mM	0.2425 mL	1.2125 mL	2.425 mL
10 mM	0.1213 mL	0.6063 mL	1.2125 mL
50 mM	0.0243 mL	0.1213 mL	0.2425 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

Qu LP, et al. A rapid and sensitive liquid chromatography-tandem mass spectrometric method for determination of actinostide E in rat plasma and application to a pharmacokinetic study. Chin J Nat Med. 2013;11(4):427-432.

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