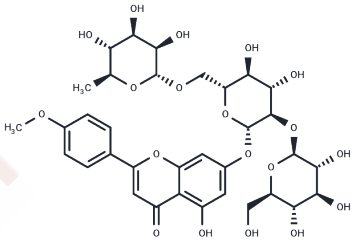
Data Sheet (Cat.No.T83210)

TargetMol

Acacetin 7-O-(6''-O-α-L-rhamnopyranosyl-β-sophoroside)

Chemical Properties



CAS No. : 661470-06-0

Formula: C34H42O19

Molecular Weight: 754.69

Storage: Keep away from direct sunlight,Keep away from moisture
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	Acacetin 7-O-(6''-O-α-L-rhamnopyranosyl-β-sophoroside) is a natural flavonoid glycoside isolated from Valeriana jatamansi Jones and Chrysanthemum indicum. Acacetin 7-O-(6''-O-α-L-rhamnopyranosyl-β-sophoroside) exhibits acetylcholinesterase (AChE) inhibitory activity, with an IC_{50} of 120.56 ± 3.52 μg/mL.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.325 mL	6.6252 mL	13.2505 mL
5 mM	0.265 mL	1.325 mL	2.6501 mL
10 mM	0.1325 mL	0.6625 mL	1.325 mL
50 mM	0.0265 mL	0.1325 mL	0.265 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

Tang YP, et al. Two new flavone glycosides from Valeriana jatamansi. J Asian Nat Prod Res. 2003 Dec;5(4):257-61.
Nugroho A, et al. Structure determination and quantification of a new flavone glycoside with anti-acetylcholinesterase activity from the herbs of Elsholtzia ciliata. Nat Prod Res. 2019;33(6):814-821.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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