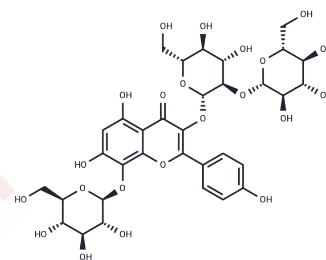


## Herbacetin-3-sophoroside-8-glucoside

## Chemical Properties

CAS No. :	77298-68-1
Formula:	C33H40O22
Molecular Weight:	788.66
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	Herbacetin-3-sophoroside-8-glucoside is a flavonol glucoside extracted from the stems of Equisetum hyemale, a species native to Iceland, Greenland, and central to northern Eurasia including Kamchatka and Japan, and traditionally used as an anti-inflammatory, antioxidant, diuretic, and anticancer herbal treatment. Herbacetin-3-sophoroside-8-glucoside contributes to selective antiproliferative effects against oral squamous cell carcinoma cell lines by inducing apoptosis while maintaining low toxicity toward normal cells, supporting its pharmacological significance.
Targets(IC50)	Antioxidant

## Solubility Information

Solubility	DMSO: 40 mg/mL (50.72 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.268 mL	6.3399 mL	12.6797 mL
5 mM	0.2536 mL	1.268 mL	2.5359 mL
10 mM	0.1268 mL	0.634 mL	1.268 mL
50 mM	0.0254 mL	0.1268 mL	0.2536 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

Byoung-Jae Park, et al. Feruloyl, caffeoyl, and flavonol glucosides from Equisetum hyemale. 2011, 47(3), 363-365.

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