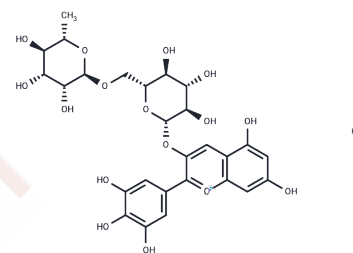


Delphinidin 3-rutinoside chloride

Chemical Properties

CAS No. :	15674-58-5
Formula:	C ₂₇ H ₃₁ ClO ₁₆
Molecular Weight:	646.98
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Delphinidin 3-rutinoside chloride is a natural anthocyanin exhibiting pro-apoptotic effects on B-cell chronic lymphocytic leukaemia (B-CLL) cells.
Targets(IC50)	Apoptosis, Bcl-2 Family

Solubility Information

Solubility	DMSO: 40 mg/mL (61.83 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	1.5456 mL	7.7282 mL	15.4564 mL
5 mM	0.3091 mL	1.5456 mL	3.0913 mL
10 mM	0.1546 mL	0.7728 mL	1.5456 mL
50 mM	0.0309 mL	0.1546 mL	0.3091 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

Mahmoud Alhosin, et al. Bilberry extract (Antho 50) selectively induces redox-sensitive caspase 3-related apoptosis in chronic lymphocytic leukemia cells by targeting the Bcl-2/Bad pathway. Sci Rep. 2015 Mar 11;5:8996.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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