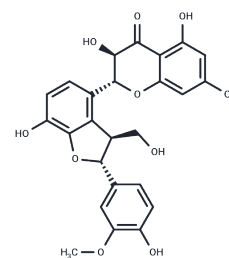


Isosilychristin

Chemical Properties

CAS No. :	77182-66-2
Formula:	C ₂₅ H ₂₂ O ₁₀
Molecular Weight:	482.44
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	Isosilychristin is an antioxidant with multidrug resistance-modulating activity. It can significantly up-regulate the expression level of ABCA1 protein without exerting significant effects on cell viability, and also possesses anti-tumor and hepatoprotective effects.
Targets(IC50)	Antioxidant

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0728 mL	10.364 mL	20.728 mL
5 mM	0.4146 mL	2.0728 mL	4.1456 mL
10 mM	0.2073 mL	1.0364 mL	2.0728 mL
50 mM	0.0415 mL	0.2073 mL	0.4146 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

Viktorová J, et al. Antioxidant, Anti-Inflammatory, and Multidrug Resistance Modulation Activity of Silychristin Derivatives. *Antioxidants (Basel)*. 2019 Aug 14;8(8):303.

Biedermann D, et al. Silychristin: Skeletal Alterations and Biological Activities. *J Nat Prod*. 2016 Dec 23;79(12):3086-3092.

Younas M, et al. Differential accumulation of silymarin induced by exposure of *Silybum marianum* L. callus cultures to several spectres of monochromatic lights. *J Photochem Photobiol B*. 2018 Jul;184:61-70.

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