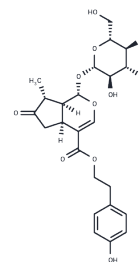


Syringopicroside

Chemical Properties

CAS No. :	29118-80-7
Formula:	C ₂₄ H ₃₀ O ₁₁
Molecular Weight:	494.49
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Syringopicroside (2-(4-hydroxyphenyl)ethyl (1S,4aS,7R)-7-methyl-6-oxo-1-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-1H,4aH,5H,6H,7H,7aH-cyclopenta[c]pyran-4-carboxylate) is a natural drug with antibacterial activity from <i>Syringa oblata</i> Lindl (<i>S. oblata</i>).
Targets(IC50)	Others, Antibacterial
In vivo	Syringopicroside increases the survival rate from 42.8% to 92.8% of the MRSA-infected mouse[2].

Solubility Information

Solubility	DMSO: 55 mg/mL (111.23 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	2.0223 mL	10.1114 mL	20.2229 mL
5 mM	0.4045 mL	2.0223 mL	4.0446 mL
10 mM	0.2022 mL	1.0111 mL	2.0223 mL
50 mM	0.0404 mL	0.2022 mL	0.4045 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 Y, et al. Effect of Syringopicroside Extracted from *Syringa oblata* Lindl on the Biofilm Formation of *Streptococcus suis*. *Molecules*. 2021 Feb 27;26(5):1295.

Zhou Z, et al. The antibacterial activity of syringopicroside, its metabolites and natural analogues from *Syringae Folium*. *Fitoterapia*. 2016 Apr;110:20-5.

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