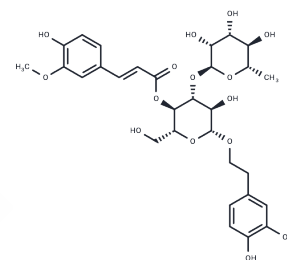


Leucosceptoside A

Chemical Properties

CAS No. :	83529-62-8
Formula:	C ₃₀ H ₃₈ O ₁₅
Molecular Weight:	638.61
Storage:	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	Leucosceptoside A is a compound isolated from the bark of <i>Oroxylum indicum</i> , with antidiabetic and antihypertensive properties. It modulates psoriasis-like inflammation by inhibiting the PI3K/AKT pathway in keratinocytes.
Targets(IC50)	Angiotensin-converting Enzyme (ACE), Glucosidase, glycosidase, PKC
In vitro	Leucosceptoside A regulates psoriatic-like inflammation by inhibiting the PI3K/AKT signaling pathway in keratinocytes. [1] Leucosceptoside A had no inhibitory effect on hyaluronidase. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5659 mL	7.8295 mL	15.659 mL
5 mM	0.3132 mL	1.5659 mL	3.1318 mL
10 mM	0.1566 mL	0.783 mL	1.5659 mL
50 mM	0.0313 mL	0.1566 mL	0.3132 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

- Koycheva IK, et al. Leucosceptoside A from Devil's Claw Modulates Psoriasis-like Inflammation via Suppression of the PI3K/AKT Signaling Pathway in Keratinocytes. *Molecules*. 2021 Nov 20;26(22):7014.
- Guragac Dereli FT, et al. Enzyme inhibitory assessment of the isolated constituents from *Plantago holosteam* Scop. *Z Naturforsch C J Biosci*. 2020 Mar 26;75(3-4):121-128.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481