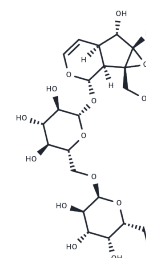


## Rehmannioside A

## Chemical Properties

CAS No. :	81720-05-0
Formula:	C <sub>21</sub> H <sub>32</sub> O <sub>15</sub>
Molecular Weight:	524.47
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	Rehmannioside A, a cyclic enol ether terpene glycoside extracted from the traditional Chinese medicine Dihuang, possesses neuroprotective activity and acts by inhibiting NF-κB and MAPK signaling pathways.
Targets(IC50)	Apoptosis, Bcl-2 Family, Ferroptosis, NF-κB, MEK, MAPK, NO Synthase, COX, Cytochromes P450, Dehydrogenase, p38 MAPK, PARP, PERK, ROS

## Solubility Information

Solubility	Ethanol: Soluble, DMSO: Soluble, Pyridine, Methanol, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9067 mL	9.5334 mL	19.0669 mL
5 mM	0.3813 mL	1.9067 mL	3.8134 mL
10 mM	0.1907 mL	0.9533 mL	1.9067 mL
50 mM	0.0381 mL	0.1907 mL	0.3813 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

Liu C, et al. Rehmanniae Radix in osteoporosis: A review of traditional Chinese medicinal uses, phytochemistry, pharmacokinetics and pharmacology. J Ethnopharmacol. 2017 Feb 23;198:351-362.

Zhang J, Peng J, Zhang T, et al. Identification of the Main Chemical constituents and mechanism of Renshen Guben oral liquid against Renal Fibrosis. Chinese Medicine. 2023, 18(1): 1-14.

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