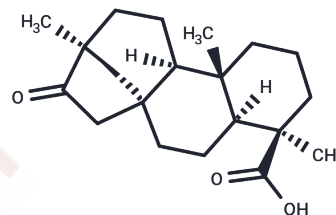


## Isosteviol

## Chemical Properties

CAS No. :	27975-19-5
Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>
Molecular Weight:	318.45
Appearance:	no data available
Storage:	keep away from moisture
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Isosteviol ((-)-Isosteviol), a common natural sweetener, belongs to tetracyclic diterpene glycosides. The pharmacology researches have suggested that stevioside and its hydrolysis products, steviol, isosteviol and steviolbioside, have many biological activities, such as reducing blood glucose, lowering blood pressure, anti-inflammation, anti-tumor, anti-diarrhea, antibacterium, immunoregulation, etc.
Targets(IC50)	NF-κB, Reactive Oxygen Species, COX, IL Receptor, Potassium Channel, TNF, Topoisomerase

## Solubility Information

Solubility	DMSO: 50 mg/mL (157.01 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	3.1402 mL	15.7011 mL	31.4021 mL
5 mM	0.628 mL	3.1402 mL	6.2804 mL
10 mM	0.314 mL	1.5701 mL	3.1402 mL
50 mM	0.0628 mL	0.314 mL	0.628 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.

## Reference

Wang Z, et al. Biochem Biophys Res Commun, 2012, 417(4): 1280-1285.

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