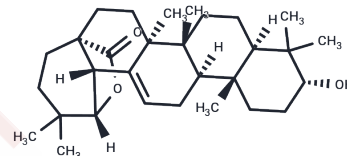


## Ficusonolide

## Chemical Properties

CAS No. :	1800503-81-4
Formula:	C <sub>30</sub> H <sub>46</sub> O <sub>3</sub>
Molecular Weight:	454.695
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	Ficusonolide exhibits significant antidiabetic activity through its interactions with dipeptidyl peptidase-IV (DPP-IV), protein tyrosine phosphatase 1B (PTP-1B), $\alpha$ -glucosidase, and $\alpha$ -amylase.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1993 mL	10.9963 mL	21.9925 mL
5 mM	0.4399 mL	2.1993 mL	4.3985 mL
10 mM	0.2199 mL	1.0996 mL	2.1993 mL
50 mM	0.044 mL	0.2199 mL	0.4399 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

Din AU, et al. Antidiabetic Activity of Ficusonolide, a Triterpene Lactone from *Ficus foveolata* (Wall. ex Miq.): In Vitro, In Vivo, and In Silico Approaches. ACS Omega. 2021 Oct 5;6(41):27351-27357.

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