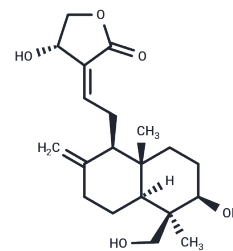


## Andropanolide

## Chemical Properties

CAS No. :	869807-57-8
Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>5</sub>
Molecular Weight:	350.45
Storage:	Keep away from direct sunlight 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	Andropanolide is a dipterocarbon from <i>Andrographis paniculata</i> with anti-HIV, antimalarial and anticancer activities and inhibits Lipopolysaccharides (LPS)-stimulated overproduction of nitric oxide (NO) in RAW264.7 macrophages.
Targets(IC50)	HIV Protease,NO Synthase,Parasite
In vitro	Andropanolide exhibits cytotoxicity towards LNCaP, HepG2, KB, MCF7, and SK-Mel2 carcinoma cells, with IC50 values ranging from 31.8 to 45.9 $\mu$ M[1]. In lipopolysaccharide (LPS)-stimulated RAW264.7 macrophages, Andropanolide significantly inhibited the production of nitric oxide (NO), with an IC50 value of 13.4 $\mu$ M [1].

## Solubility Information

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

	1mg	5mg	10mg
1 mM	2.8535 mL	14.2674 mL	28.5347 mL
5 mM	0.5707 mL	2.8535 mL	5.7069 mL
10 mM	0.2853 mL	1.4267 mL	2.8535 mL
50 mM	0.0571 mL	0.2853 mL	0.5707 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

Hanh TTH, et al. Diterpenoids and Flavonoids from *Andrographis paniculata*. *Chem Pharm Bull (Tokyo)*. 2020;68 (1):96-99.

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