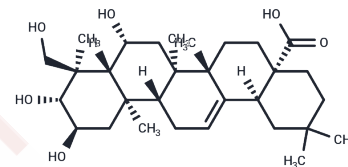


## Terminolic acid

## Chemical Properties

CAS No. :	564-13-6
Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>6</sub>
Molecular Weight:	504.7
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	Terminolic acid (2 $\alpha$ ,6 $\beta$ ,23-trihydroxyl oleanolic acid) is a pentacyclic triterpenoid glucoside isolated from <i>Combretum racemosum</i> , can inhibit the pro-inflammatory cytokines by binding to receptor active site of IL-1 $\beta$ and IL-6, and enhance anti-inflammatory cytokines by binding to IL-4 receptor binding sites. It also exhibits moderate antibacterial activity.
Targets(IC50)	Antibacterial, Interleukin

## Solubility Information

Solubility	DMSO: 45 mg/mL (89.16 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	1.9814 mL	9.9069 mL	19.8138 mL
5 mM	0.3963 mL	1.9814 mL	3.9628 mL
10 mM	0.1981 mL	0.9907 mL	1.9814 mL
50 mM	0.0396 mL	0.1981 mL	0.3963 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

Legiawati L, et, al. In silico study of Centella asiatica active compounds as anti-inflammatory agent by decreasing Il-1 and Il-6 activity, promoting Il-4 activity. /J. Pharm. Sci. & Res. Vol. 10(9), 2018, 2142-2147.

Gossan DPA, et, al. Antibacterial and cytotoxic triterpenoids from the roots of Combretum racemosum. Fitoterapia. 2016 Apr;110:89-95.

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