

## Taraxerol acetate

## Chemical Properties

CAS No. : 2189-80-2

Formula: C<sub>32</sub>H<sub>52</sub>O<sub>2</sub>

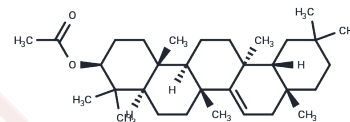
Molecular Weight: 468.75

Store at low temperature, Keep away from direct sunlight

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	Taraxerol acetate exhibits significant antiviral activity against herpes simplex virus type II, while exerting comparatively weaker effects on cell cycle arrest and apoptosis in AGS gastric cancer cells than taraxerol. Taraxerol acetate is a bioactive triterpene constituent of <i>Anoectochilus roxburghiana</i> , where its contribution to the plant's antidiabetic activity is mechanistically associated with protein tyrosine phosphatase 1B (PTP1B) inhibition alongside betulin and betulinic acid, highlighting its relevance for antiviral, metabolic disease, and natural product pharmacology research.
Targets(IC50)	Antifection

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1333 mL	10.6667 mL	21.3333 mL
5 mM	0.4267 mL	2.1333 mL	4.2667 mL
10 mM	0.2133 mL	1.0667 mL	2.1333 mL
50 mM	0.0427 mL	0.2133 mL	0.4267 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

Ubaid Ur Rehman<sup>1</sup> A, et al. Molecular docking of taraxerol acetate as a new COX inhibitor. Journal of the Bangladesh Pharmacological Society

Hong JF, et al. Anticancer activity of taraxerol acetate in human glioblastoma cells and a mouse xenograft model via induction of autophagy and apoptotic cell death, cell cycle arrest and inhibition of cell migration. Mol Med Rep. 2016 Jun; 13(6):4541-8.

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