

## Cucurbitadienol

## Chemical Properties

CAS No. :	35012-08-9
Formula:	C30H50O
Molecular Weight:	426.729
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	Cucurbitadienol has significant anti-inflammatory, anti-tumor effect, is also CucurbitacinBE compounds biosynthesis the key intermediate. Cucurbitadienol synthase, the first committed enzyme for cucurbitacin biosynthesis, is a distinct enzyme from cycloartenol synthase for phytosterol biosynthesis. CYP87D18 catalyzed the oxidation of cucurbitadienol at C-11 to produce 11-oxo cucurbitadienol and 11-hydroxy cucurbitadienol.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3434 mL	11.717 mL	23.434 mL
5 mM	0.4687 mL	2.3434 mL	4.6868 mL
10 mM	0.2343 mL	1.1717 mL	2.3434 mL
50 mM	0.0469 mL	0.2343 mL	0.4687 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.

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