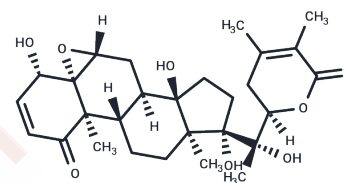


## 4beta-Hydroxywithanolide E

## Chemical Properties

CAS No. :	54334-04-2
Formula:	C <sub>28</sub> H <sub>38</sub> O <sub>8</sub>
Molecular Weight:	502.604
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	4beta-Hydroxywithanolide E(4bHWE) can inhibit the growth of colon cancer monolayer and spheroid cultures, it assert its anti-tumor activity in carcinogenic progression and develop into a dietary chemopreventive agent, it affects alternative splicing by modulating splicing factors and histone modifications.4bHWE is a useful natural anti-inflammatory compound to attenuate progression of diabetes and obesity, it decreases inflammatory responses by inhibiting the NF- $\kappa$ B signaling in diabetic mouse adipose tissue, it also can improve impaired glucose tolerance.
Targets(IC50)	HSP,NF- $\kappa$ B,COX,PARP,PPAR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9897 mL	9.9483 mL	19.8965 mL
5 mM	0.3979 mL	1.9897 mL	3.9793 mL
10 mM	0.199 mL	0.9948 mL	1.9897 mL
50 mM	0.0398 mL	0.199 mL	0.3979 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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