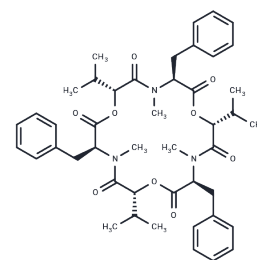


## Beauvericin

## Chemical Properties

CAS No. :	26048-05-5
Formula:	C <sub>45</sub> H <sub>57</sub> N <sub>3</sub> O <sub>9</sub>
Molecular Weight:	783.95
Storage:	Keep away from moisture 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	Beauvericin, a <i>Fusarium</i> mycotoxin, inhibits acyl-CoA:cholesterol acyltransferase (ACAT) in rat liver microsomal enzyme assays with an IC <sub>50</sub> value of 3 μM.
Targets(IC <sub>50</sub> )	Apoptosis,Akt,Antibacterial,Acyltransferase,Antifungal,Interleukin,PI3K,TNF

## Solubility Information

Solubility	DMSO: 78.4 mg/mL (100.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2756 mL	6.378 mL	12.7559 mL
5 mM	0.2551 mL	1.2756 mL	2.5512 mL
10 mM	0.1276 mL	0.6378 mL	1.2756 mL
50 mM	0.0255 mL	0.1276 mL	0.2551 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

Tomoda H, et al. Inhibition of acyl-CoA: cholesterol acyltransferase activity by cyclodepsipeptide antibiotics. *J Antibiot* (Tokyo). 1992 Oct;45(10):1626-32.

**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