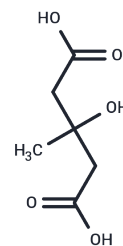


## Meglutol

## Chemical Properties

CAS No. :	503-49-1
Formula:	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Molecular Weight:	162.14
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Meglutol (3-Hydroxy-3-methylglutaric acid) is an antilipemic agent which lowers cholesterol, triglycerides, serum beta-lipoproteins and phospholipids. It acts by interfering with the enzymatic steps involved in the conversion of acetate to hydroxymethyl glutaryl coenzyme A as well as inhibiting the activity of HYDROXYMETHYLGLUTARYL COA REDUCTASES which is the rate-limiting enzyme in the biosynthesis of cholesterol.
Targets(IC50)	Endogenous Metabolite,HMG-CoA Reductase,Autophagy

## Solubility Information

Solubility	Ethanol: 100 mg/mL (616.7 mM),Sonication is recommended. DMSO: 65 mg/mL (400.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.1675 mL	30.8375 mL	61.6751 mL
5 mM	1.2335 mL	6.1675 mL	12.335 mL
10 mM	0.6168 mL	3.0838 mL	6.1675 mL
50 mM	0.1234 mL	0.6168 mL	1.2335 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.

## Reference

Santarelli F, et al. Ital J Pediatr. 2013 May 24;39:33.

**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:36 Washington Street,Wellesley Hills,MA 02481