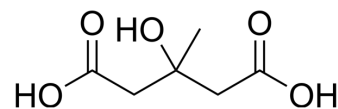


Meglutol

Cat. No.:	HY-B1189		
CAS No.:	503-49-1		
Molecular Formula:	C ₆ H ₁₀ O ₅		
Molecular Weight:	162.14		
Target:	HMG-CoA Reductase (HMGCR); Autophagy; Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease; Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (1541.88 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.1675 mL	30.8375 mL	61.6751 mL
		5 mM	1.2335 mL	6.1675 mL	12.3350 mL
10 mM		0.6168 mL	3.0838 mL	6.1675 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (12.83 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (12.83 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (12.83 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Meglutol is an antilipemic agent which lowers cholesterol, triglycerides, serum beta-lipoproteins and phospholipids, and inhibits the activity of hydroxymethylglutaryl CoA reductases, which is the rate limiting enzyme in the biosynthesis of cholesterol.
IC₅₀ & Target	Human Endogenous Metabolite

Caution: Product has not been fully validated for medical applications. For research use only.

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