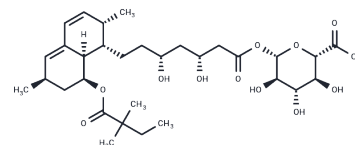


Simvastatin Acyl-β-D-glucuronide

Chemical Properties

CAS No. : 463962-56-3
Formula: C₃₁H₄₈O₁₂
Molecular Weight: 612.713
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Simvastatin Acyl-β-D-glucuronide, a metabolite formed from Simvastatin, acts as a competitive inhibitor of HMG-CoA reductase, showcasing a potent K _i of 0.2 nM.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6321 mL	8.1605 mL	16.3209 mL
5 mM	0.3264 mL	1.6321 mL	3.2642 mL
10 mM	0.1632 mL	0.816 mL	1.6321 mL
50 mM	0.0326 mL	0.1632 mL	0.3264 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

Prueksaritanont T, Subramanian R, Fang X, et al. Glucuronidation of statins in animals and humans: a novel mechanism of statin lactonization. Drug Metab Dispos. 2002;30(5):505-512.

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