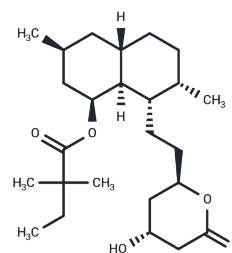


L 647318

## Chemical Properties

CAS No. : 87770-13-6  
 Formula: C<sub>25</sub>H<sub>42</sub>O<sub>5</sub>  
 Molecular Weight: 422.6  
 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   | L 647318 is an inhibitor of Hydroxymethylglutaryl-CoA reductase. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 2.3663 mL | 11.8315 mL | 23.663 mL |
| 5 mM  | 0.4733 mL | 2.3663 mL  | 4.7326 mL |
| 10 mM | 0.2366 mL | 1.1832 mL  | 2.3663 mL |
| 50 mM | 0.0473 mL | 0.2366 mL  | 0.4733 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

- Smith PF, Eydeloth RS, Grossman SJ, Stubbs RJ, Schwartz MS, Germershausen JI, MacDonald JS. Myopathy associated with HMG-CoA reductase inhibitors (HMGRIs) and cyclosporin A: evaluation in a rat model. *Eur Heart J.* 1992 Jul;13 Suppl B:2-6. PubMed PMID: 1644096.
- Smith PF, Eydeloth RS, Grossman SJ, Stubbs RJ, Schwartz MS, Germershausen JI, Vyas KP, Kari PH, MacDonald JS. HMG-CoA reductase inhibitor-induced myopathy in the rat: cyclosporine A interaction and mechanism studies. *J Pharmacol Exp Ther.* 1991 Jun;257(3):1225-35. PubMed PMID: 1904494.
- Kaufman MJ. Applications of oxygen polarography to drug stability testing and formulation development: solution-phase oxidation of hydroxymethylglutaryl coenzyme A (HMG-CoA) reductase inhibitors. *Pharm Res.* 1990 Mar;7(3):289-92. PubMed PMID: 2339104.

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