

# CERTIFICATE OF ANALYSIS

(Certificate No. KML001007-01)

Release Date: 25/06/2024

Re-test Date: 24/06/2027

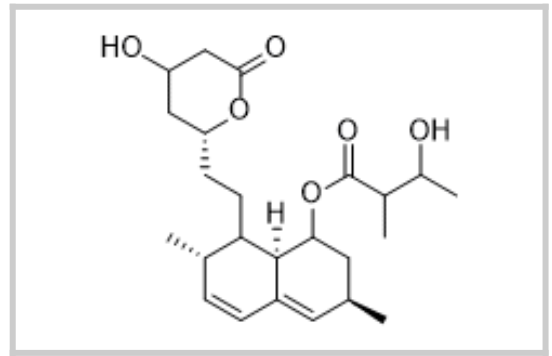
## Lovastatin Hydroxy Impurity

### Identification

**Chemical Name :**

(3R,7S,8aR)-8-(2-((2R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl)ethyl)-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl 3-hydroxy-2-methylbutanoate

**Alt. Name** : KML001007  
**CAT No.** : KML001007  
**CAS No.** : Not Available  
**Molecular Formula** : C<sub>24</sub>H<sub>36</sub>O<sub>6</sub>  
**Molecular Weight** : 420.54



### Analytical Information

<b>Batch No.</b>	: LOV-HYD-073-269	<b>Solubility</b>	: ACN
<b>Description</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>HPLC Purity</b>	: 99.02 %	<b>IR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.93 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>% Potency</b>	: 98.1 %		

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage  
**Shipping Condition** : Product is stable to be shipped at room temperature  
**% Potency** = [100 - 0.93(Weight Loss By TGA)] x [99.02(HPLC Purity)]/100 = 98.1 %  
**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		26/06/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		26/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA