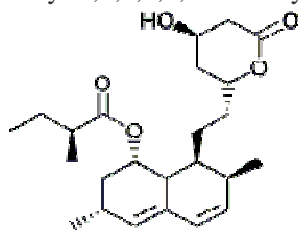
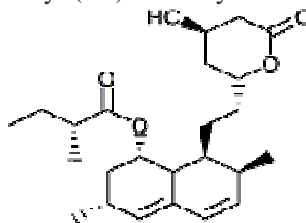


## CERTIFICATE OF ANALYSIS

**Reference Substance**
**Date**
**Simvastatin Impurity E & F mixture**
**Batch No.:**
**IUPAC Name:** (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl]-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl (2R)-2-methylbutanoate.


$C_{24}H_{36}O_5$   
Mol. Wt.: 404.54



$C_{24}H_{36}O_5$   
Mol. Wt.: 404.54

**Simvastatin Impurity E**
**Simvastatin Impurity F**

Molecular Weight: 404.54

 Molecular Formula:  $C_{24}H_{36}O_5$ 

Sr.#	Test	Results	Data ref.
1	Appearance	Light Brown colored powder	-----
2	Purity by HPLC	99.22%	Chromatogram attached
3	<sup>1</sup> H NMR	Conform	Report attached
4	Mass	Conform	Report attached

**Storage condition:** Store at 2-8°C, Protect from direct sunlight and moisture.

**Shipment date:**

This certificate of analysis is valid for two years from date of manufacturing provided the substance is stored under suitable conditions.

**Date of manufacturing:**
**Retest Date:**
**Document data reference:**
*Prepared by*
*Reviewed by*
*Approved by*