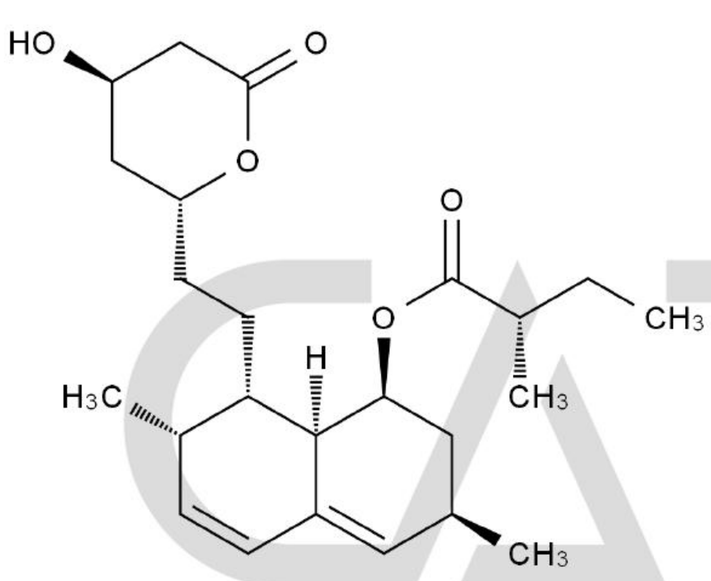
Certificate of Analysis

Reference Material & Standard

Product Name:	Simvastatin EP Impurity E	**Catalogue Number:**	C4X-11995
Synonyms:	Lovastatin	**Lot Number:**	0825-RH-0040
CAS Number:	75330-75-5	**Expiry Date:**	Aug 24, 2030
Molecular Formula:	$C_{24}H_{36}O_5$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	404.54	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.044%
Residue on Ignition	TGA	0.1805%
Loss on Drying	TGA	0.0402%
Assay		98.8%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi Date: Aug 25, 2026

Reviewed by: Lisa Date: Aug 25, 2026

Approved by General Manager: David Date: Aug 25, 2026

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175 Email: supports@cato-chem.com Web: https://www.cato-chem.com

ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

SYSTEM CERTIFICATION ISO 9001:2000 SGS

Official WeChat