

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA002004-01)

Release Date: 12/06/2024

Re-test Date: 11/06/2027

## ATORVASTATIN RELATED COMPOUND D

### Identification

**Chemical Name :**

3-(4-Fluorobenzoyl)-2-isobutyryl-3-phenyloxirane-2-carboxylic acid phenylamide

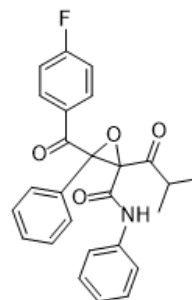
**Alt. Name** : Atorvastatin USP Related Compound D

**CAT No.** : KMA002004

**CAS No.** : 148146-51-4

**Molecular Formula** : C<sub>26</sub>H<sub>22</sub>FNO<sub>4</sub>

**Molecular Weight** : 431.46



### Analytical Information

**Batch No.** : KMPS/ATS/D/006

**Solubility** : DMF

**Description** : Off White Solid

**Mass** : Confirm

**HPLC Purity** : 95.01 %

**IR** : Confirm

**Weight Loss By TGA** : 0.40 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 94.63 %

### 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 - 0.40(Weight Loss By TGA)] x [95.01(HPLC Purity)]/100 = 94.63 %

Re-tested on 13.06.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		23/05/2025

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