

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA011001-01)

Release Date: 30/03/2024

Re-test Date: 29/03/2027

## Amlodipine Acetyl Impurity

### Identification

**Chemical Name :**

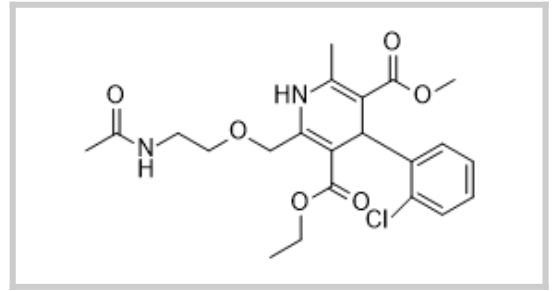
3-ethyl 5-methyl 2-((2-acetamidoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate

CAT No. : KMA011001

CAS No. : 93848-82-9

Molecular Formula : C<sub>22</sub>H<sub>27</sub>ClN<sub>2</sub>O<sub>6</sub>

Molecular Weight : 450.91



### Analytical Information

Batch No. : AML-ACE-073-149

Solubility : ACN

Description : Light Yellow Hygroscopic Solid

Mass : Confirm

HPLC Purity : 94.68 %

IR : Confirm

Weight Loss By TGA : 0.35 %

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

% Potency : 94.35 %

### 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 - 0.35(Weight Loss By TGA)] x [94.68(HPLC Purity)]/100 = 94.35 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/03/2024
Reviewed & Approved By	Quality Control	Jatin Patel		30/03/2024

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