

# CERTIFICATE OF ANALYSIS

(Certificate No. KMF022005-01)

Release Date: 04/06/2026

Re-test Date: 03/06/2029

## Felodipine Impurity B

### Identification

**Chemical Name :**

Dimethyl 4-(2,3-dichlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate

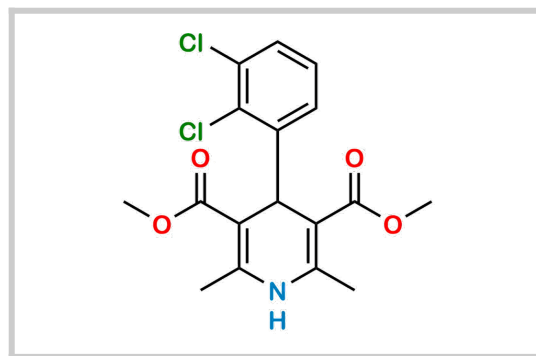
**Alt. Name** : Felodipine EP Impurity B ; Felodipine Dimethyl Ester

**CAT No.** : KMF022005

**CAS No.** : 91189-59-2

**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>1</sub>O<sub>4</sub>

**Molecular Weight** : 370.2



### Analytical Information

**Batch No.** : F022005-114-359

**Description** : Off White Solid

**HPLC Purity** : 98.49 %

**Weight Loss By TGA** : 0.32 %

**% Potency** : 98.17 %

**Solubility** : ACN : Water

**Mass** : Confirm

**IR** : Confirm

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

### 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 - 0.32(Weight Loss By TGA)] x [98.49(HPLC Purity)]/100 = 98.17 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		04/06/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		04/06/2026

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