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## CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2022

Re-test Date: Jul 2025

**Product Name: Amlodipine EP impurity G**

### Identification:

Chemical Name: Dimethyl 4-(2-chlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate (as per EP)

Synonyms : Amlodipine USP Related  
Compound C

CAS Number : 43067-01-2

CAT Number : CP-A5007

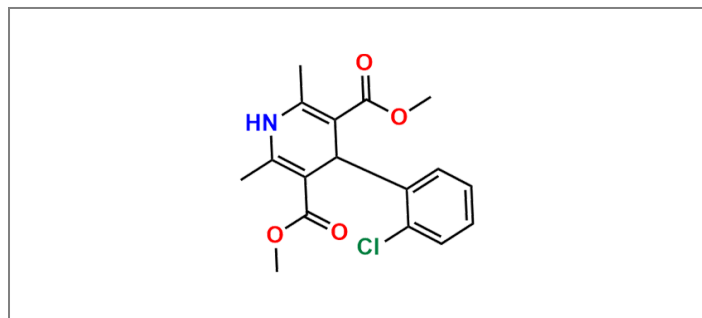
Molecular Formula : C<sub>17</sub>H<sub>18</sub>ClNO<sub>4</sub>

Molecular Weight : 335.78

Batch Number : COR/AMD-03/01

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.24%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.054%
8)	Potency by TGA	98.18%



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.