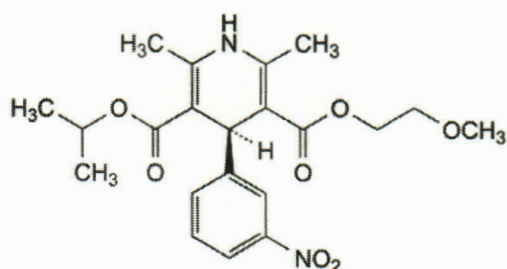




## Nimodipine EP10

Batch no 2606012  
Mf date Jun 10 2026  
Retest Jun 2029  
Batch size 267.06 kg

Molecular Structure



and enantiomer

Molecular Formula  $C_{21}H_{26}N_2O_7$

Molecular Weight 418.4

CAS Registry Number 66085-59-4

Sep 02 2026

| Tests                  | Specifications                                                                                          | Results                           |
|------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------|
| Appearance             | A light yellow or yellow crystalline powder                                                             | A light yellow crystalline powder |
| Solubility             | Practically insoluble in water, freely soluble in ethyl acetate, sparingly soluble in anhydrous ethanol | Conforms                          |
| Identification         | Meets the requirements                                                                                  | Positive                          |
| Appearance of solution | Clear                                                                                                   | Conforms                          |
| Optical rotation       | $-0.10^\circ \sim +0.10^\circ$                                                                          | $+0.002^\circ$                    |
| Related substances     | Impurity C $\leq 0.2\%$                                                                                 | 0.14%                             |
|                        | Another largest single impurity $\leq 0.10\%$                                                           | 0.06%                             |
|                        | Total impurities $\leq 0.5\%$                                                                           | 0.24%                             |
|                        |                                                                                                         | 0.22%                             |
| Loss on drying         | $\leq 0.5\%$                                                                                            | 0.22%                             |
| Sulphated ash          | $\leq 0.1\%$                                                                                            | 0.02%                             |
| Residual solvents      | Isopropanol $\leq 0.5\%$                                                                                | 0.013%                            |
|                        | Cyclohexane $\leq 0.388\%$                                                                              | 0.0055%                           |
|                        | Methanol $\leq 0.3\%$                                                                                   | ND                                |
| Assay (odb)            | 98.5 ~ 101.5%                                                                                           | 99.45%                            |

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Packaging & storage | Preserve in well-closed, light-resistant containers |
| Conclusion          | Material complies with EP10                         |

