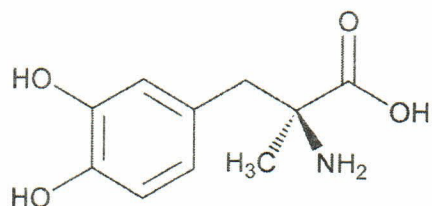




Batch no C01-E20251231  
Mf date Dec 06 2025  
Retest Dec 05 2029

Molecular Structure



• 1½ H<sub>2</sub>O

Molecular Formula C<sub>10</sub>H<sub>13</sub>NO<sub>4</sub> · 1½H<sub>2</sub>O

Molecular Weight 238.24

CAS Registry Number 41372-08-1

Mar 26 2026

| Tests               | Specifications                                                                                                                                                              | Results                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Appearance          | White to yellowish-white<br>odorless fine powder                                                                                                                            | Yellowish-white<br>odorless fine powder |
| Identification      | IR, HPLC                                                                                                                                                                    | Positive                                |
| Residue on ignition | ≤ 0.1%                                                                                                                                                                      | 0.03%                                   |
| Related substances  | 3-O-Methylmethyldopa ≤ 0.15%<br>Methyldopa related compound B ≤ 0.15%<br>Methyldopa related compound C ≤ 0.15%<br>Unspecified impurities ≤ 0.05%<br>Total impurities ≤ 0.5% | 0.04%<br>ND<br>ND<br>0.02%<br>0.11%     |
| Specific rotation   | -25.0 ~ 28.0°                                                                                                                                                               | -26.4°                                  |
| Acidity (0.1M NaOH) | ≤ 0.5 mL/g                                                                                                                                                                  | 0.06 mL/g                               |
| Water               | 10.0 ~ 13.0%                                                                                                                                                                | 11.3%                                   |
| Residual solvents   | Methanol ≤ 3000 ppm<br>Dichloromethane ≤ 600 ppm<br>Benzene ≤ 2 ppm<br>Toluene ≤ 890 ppm                                                                                    | < LOD<br>< LOD<br>< LOD<br>< LOD        |
| Assay               | 98.0 ~ 102.0%                                                                                                                                                               | 99.6%                                   |

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Packaging & storage | Preserve in well-closed, light-resistant containers |
| Conclusion          | Material complies with USP2025                      |

