

Barnidipine-D5

Chemical Properties

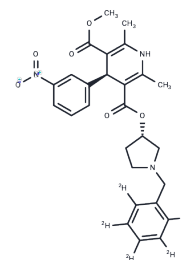
CAS No. :

Formula: C₂₇H₂₄D₅N₃O₆

Molecular Weight: 496.57

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|-------------|--|
| Description | Barnidipine-D5 is a deuterated compound of Barnidipine. Barnidipine (T7550) has a CAS number of 104713-75-9. Barnidipine (T7550) is a calcium channel blocker. |
|-------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0138 mL | 10.0691 mL | 20.1381 mL |
| 5 mM | 0.4028 mL | 2.0138 mL | 4.0276 mL |
| 10 mM | 0.2014 mL | 1.0069 mL | 2.0138 mL |
| 50 mM | 0.0403 mL | 0.2014 mL | 0.4028 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

1. Barnidipine ameliorates the vascular and renal injury in L-NAME-induced hypertensive rats[J]. European Journal of Pharmacology, 2015, 764:433-442.

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