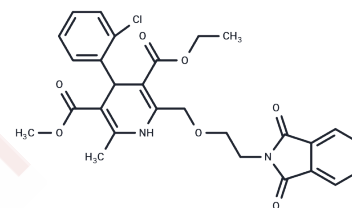


Phthalimidoamlodipine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 88150-62-3 |
| Formula: | C ₂₈ H ₂₇ ClN ₂ O ₇ |
| Molecular Weight: | 538.98 |
| 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 | Phthalimidoamlodipine is an impurity of Amlodipine, a medication used to prevent chest pain and lower blood pressure. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8554 mL | 9.2768 mL | 18.5536 mL |
| 5 mM | 0.3711 mL | 1.8554 mL | 3.7107 mL |
| 10 mM | 0.1855 mL | 0.9277 mL | 1.8554 mL |
| 50 mM | 0.0371 mL | 0.1855 mL | 0.3711 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

- Gottwald-Hostalek U, Sun N, Barho C, Hildemann S. Management of Hypertension With a Fixed-Dose (Single-Pill) Combination of Bisoprolol and Amlodipine. Clin Pharmacol Drug Dev. 2017 Jan;6(1):9-18. doi: 10.1002/cpdd.309. Epub 2016 Oct 26. PubMed PMID: 27653022.
- van Zwieten PA. Amlodipine: an overview of its pharmacodynamic and pharmacokinetic properties. Clin Cardiol. 1994 Sep;17(9 Suppl 3):III3-6. Review. PubMed PMID: 9156957.

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