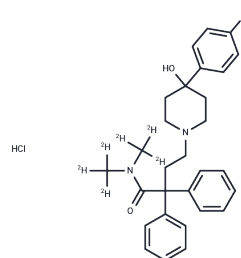


Loperamide-D6 hydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1189469-46-2 |
| Formula: | C ₂₉ H ₃₄ Cl ₂ N ₂ O ₂ |
| Molecular Weight: | 519.54 |
| 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 | Loperamide-D6 hydrochloride, a deuterium-labeled variant of Loperamide hydrochloride (T0209), acts as an opioid receptor agonist utilized for diarrhea |
| Targets(IC50) | Opioid Receptor, Autophagy |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9248 mL | 9.6239 mL | 19.2478 mL |
| 5 mM | 0.385 mL | 1.9248 mL | 3.8496 mL |
| 10 mM | 0.1925 mL | 0.9624 mL | 1.9248 mL |
| 50 mM | 0.0385 mL | 0.1925 mL | 0.385 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

Hanauer, S.B., The role of loperamide in gastrointestinal disorders. Rev Gastroenterol Disord, 2008. 8(1): p. 15-20.

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