

Diacetolol-D7

Chemical Properties

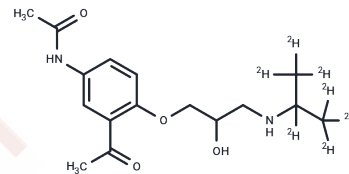
CAS No. : 1346604-19-0

Formula: C₁₆H₂₄N₂O₄

Molecular Weight: 315.42

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 | Diacetolol-D7 is deuterium-labeled diacetone Roller. Diacetol is the main metabolite of Acetolol. Diacetololβ-adrenoceptor shielding and anti-arrhythmic agent. |
| Targets(IC50) | Adrenergic Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.1704 mL | 15.8519 mL | 31.7038 mL |
| 5 mM | 0.6341 mL | 3.1704 mL | 6.3408 mL |
| 10 mM | 0.317 mL | 1.5852 mL | 3.1704 mL |
| 50 mM | 0.0634 mL | 0.317 mL | 0.6341 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

Basil B, et al. Pharmacological properties of diacetolol (M & B 16,942), a major metabolite of acebutolol. Eur J Pharmacol. 1982 May 7;80(1):47-56.

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