

Metformin-D6 hydrochloride

Chemical Properties

CAS No. : 1185166-01-1

Formula: C₄H₁₂ClN₅

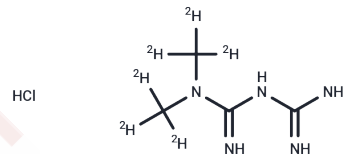
Molecular Weight: 171.66

Keep away from direct sunlight, Keep away from moisture

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	Metformin-D6 hydrochloride is a deuterated form of Metformin hydrochloride (TMSM-1585) that can be used to study Metformin metabolism in vivo, and is often used as an internal standard for Metformin. ccc_R08 can be used to study HBV infection. ccc_R08 can be used to study HBV infection.
Targets(IC50)	Apoptosis, Mitophagy, AMPK, Autophagy, mTOR

Solubility Information

Solubility	H ₂ O: 30 mg/mL (174.76 mM), Sonication is recommended. DMSO: 30 mg/mL (174.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8255 mL	29.1273 mL	58.2547 mL
5 mM	1.1651 mL	5.8255 mL	11.6509 mL
10 mM	0.5825 mL	2.9127 mL	5.8255 mL
50 mM	0.1165 mL	0.5825 mL	1.1651 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

Soraya H, et al. Acute treatment with metformin improves cardiac function following NSC 37745 induced myocardial infarction in rats. Pharmacol Rep. 2012;64(6):1476-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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