

MK-7145

Chemical Properties

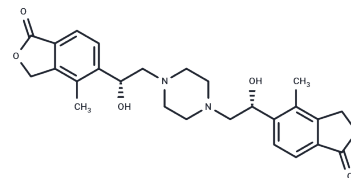
CAS No. : 1255204-84-2

Formula: C₂₆H₃₀N₂O₆

Molecular Weight: 466.53

Appearance: no data available

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



Biological Description

Description	MK-7145 is an inhibitor of ROMK(IC ₅₀ of 0.045 μM).
Targets(IC ₅₀)	Others
In vitro	MK-7145 is screened against other members of the Kir family of channels.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1435 mL	10.7174 mL	21.4348 mL
5 mM	0.4287 mL	2.1435 mL	4.287 mL
10 mM	0.2143 mL	1.0717 mL	2.1435 mL
50 mM	0.0429 mL	0.2143 mL	0.4287 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.

Reference

Tang H, et al. Discovery of MK-7145, an Oral Small Molecule ROMK Inhibitor for the Treatment of Hypertension and Heart Failure. ACS Med Chem Lett. 2016 May 12;7(7):697-701.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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