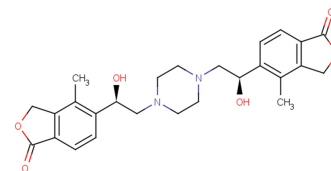


MK-7145

Chemical Properties

CAS No.: 1255204-84-2
Formula: C₂₆H₃₀N₂O₆
Molecular Weight: 466.53
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

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

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.143 mL	10.717 mL	21.435 mL
5 mM	0.429 mL	2.143 mL	4.287 mL
10 mM	0.214 mL	1.072 mL	2.143 mL
50 mM	0.043 mL	0.214 mL	0.429 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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