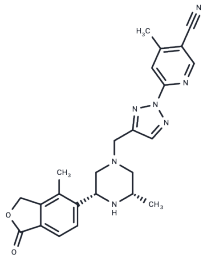
Data Sheet (Cat.No.T88025)

TargetMol

BMS-986308

Chemical Properties



CAS No. : 2254333-97-4

Formula: C24H25N7O2

Molecular Weight: 443.50

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	BMS-986308 is a selective, orally active renal outer medullary potassium (ROMK) channel inhibitor. It demonstrates greater selectivity for ROMK over hERG channels and is applicable in heart failure research.
Targets(IC50)	Potassium Channel
In vivo	BMS-986308 (0.01-3 mg/kg; oral; single dose) demonstrates efficacy in a rat diuresis model with induced volume overload [1]. Animal Model: Male Sprague-Dawley rats (age: 8-12 weeks, 270-300 g) [1]. Dosage: 0.01 mg/kg, 0.03 mg/kg, 0.1 mg/kg, 0.3 mg/kg, 1 mg/kg, and 3 mg/kg. Administration: oral, single dose (10% v/v DMAC, 40% v/v PEG400, 50% v/v of 30% w/v HPβCD in 50 mM citrate buffer, pH 4.0). Result: Significantly increased diuresis.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2548 mL	11.274 mL	22.5479 mL
5 mM	0.451 mL	2.2548 mL	4.5096 mL
10 mM	0.2255 mL	1.1274 mL	2.2548 mL
50 mM	0.0451 mL	0.2255 mL	0.451 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.

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