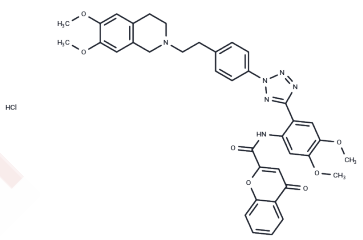
Data Sheet (Cat.No.T68568)

TargetMol

Encequidar, HCl

Chemical Properties



CAS No. : 849675-88-3

Formula: C38H37ClN6O7

Molecular Weight: 725.2

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	Encequidar, also known as HM-30181, is an oral P-glycoprotein (P-gp) inhibitor developed to enhance the oral bioavailability of P-gp substrate drugs. Encequidar showed the highest potency (IC(50)=0.63nM) among several MDR1 inhibitors, including cycloporin A, XR9576, and GF120918, and effectively blocked transepithelial transport of paclitaxel in MDCK monolayers (IC(50)=35.4nM). Encequidar is currently under clinical trials.
Targets(IC50)	Others,P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3789 mL	6.8946 mL	13.7893 mL
5 mM	0.2758 mL	1.3789 mL	2.7579 mL
10 mM	0.1379 mL	0.6895 mL	1.3789 mL
50 mM	0.0276 mL	0.1379 mL	0.2758 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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