

KR30031

Chemical Properties

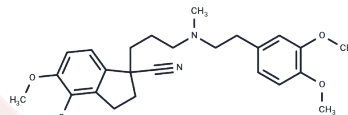
CAS No. : 205535-74-6

Formula: C₂₆H₃₄N₂O₄

Molecular Weight: 438.56

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	KR30031 is a novel P-glycoprotein inhibitor with potential anticancer activity. KR30031 is a verapamil analog with fewer cardiovascular effects. The ability of KR-30031 to reduce this efflux transport is equal to that of verapamil, a well-known P-glycoprotein inhibitor. The bioavailability of paclitaxel could be enhanced by coadministration of a P-glycoprotein inhibitor, KR-30031.
Targets(IC50)	Others,P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2802 mL	11.4009 mL	22.8019 mL
5 mM	0.456 mL	2.2802 mL	4.5604 mL
10 mM	0.228 mL	1.1401 mL	2.2802 mL
50 mM	0.0456 mL	0.228 mL	0.456 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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