Data Sheet (Cat.No.T63642)

TargetMol

CQ211

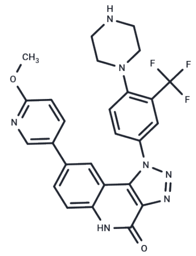
Chemical Properties

CAS No. : 2648986-65-4

Formula: C26H22F3N7O2

Molecular Weight: 521.49

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	CQ211 is a potent and selective RIOK2 inhibitor with a Kd of 6.1 nM, demonstrating significant proliferation inhibitory activity against various cancer cell lines in vitro.
Targets(IC50)	Others,Serine/threonin kinase
In vivo	CQ211 (25 mg/kg; rat) inhibits the tumor progression with tumor growth inhibition (TGI) of 30.9%.[1]

Solubility Information

Solubility	DMSO: 6.25 mg/mL (11.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9176 mL	9.5879 mL	19.1758 mL
5 mM	0.3835 mL	1.9176 mL	3.8352 mL
10 mM	0.1918 mL	0.9588 mL	1.9176 mL
50 mM	0.0384 mL	0.1918 mL	0.3835 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.

Reference

Ouyang Y, et al. Discovery of 8-(6-Methoxypyridin-3-yl)-1-(4-(piperazin-1-yl)-3-(trifluoromethyl)phenyl)-1,5-dihydro-4H-[1,2,3]triazolo[4,5-c]quinolin-4-one (CQ211) as a Highly Potent and Selective RIOK2 Inhibitor. J Med Chem. 2022;65(11):7833-7842.

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