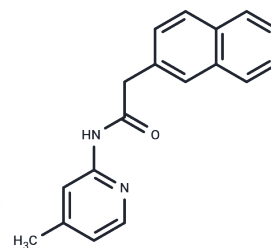


## RIOK2-IN-1

## Chemical Properties

CAS No. :	1088216-72-1
Formula:	C18H16N2O
Molecular Weight:	276.33
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	RIOK2-IN-1 (com 4) is a selective RIOK2 inhibitor with a Kd of 150 nM, though it has low cellular activity with an IC50 of 14,600 nM. RIOK2, an atypical kinase, is involved in ribosome maturation and cell cycle progression and is associated with various human cancers. The derivative compound CQ211, an enhanced version of RIOK2-IN-1, shows robust in vivo and in vitro efficacy, effectively inhibiting the proliferation of MKN-1 and HT-29 cancer cell lines and hindering tumor growth in the MKN-1 mouse xenograft model [1].
Targets(IC50)	Others,Serine/threonin kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6189 mL	18.0943 mL	36.1886 mL
5 mM	0.7238 mL	3.6189 mL	7.2377 mL
10 mM	0.3619 mL	1.8094 mL	3.6189 mL
50 mM	0.0724 mL	0.3619 mL	0.7238 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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