

RKS-262

Chemical Properties

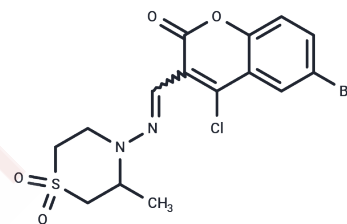
CAS No. : 1041469-97-9

Formula: C₁₅H₁₄BrClN₂O₄S

Molecular Weight: 433.7

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	RKS262 is a specific cyclin/CDK inhibitor. RKS262 was identified by structural optimization of Nifurtimox which is currently undergoing phase II clinical trials to treat high-risk neuroblastoma. In a NCI(60) cell-line assay RKS262 exhibited significant cytotoxicity in ovarian cancer cells and a variety of other cell lines exceeding effects of commercial drugs such as cisplatin, 5-FU, cyclophosphamide or sapacitabine. Various leukemia cell-lines were most sensitive (GI(50):~10 nM) while several non-small cell lung cancer cell lines and few cell lines from other tissues were relatively resistant (GI(50)>1µM) to RKS262 treatment.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3057 mL	11.5287 mL	23.0574 mL
5 mM	0.4611 mL	2.3057 mL	4.6115 mL
10 mM	0.2306 mL	1.1529 mL	2.3057 mL
50 mM	0.0461 mL	0.2306 mL	0.4611 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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