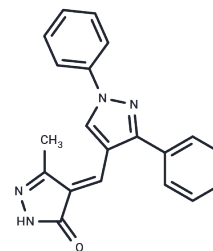


ROS kinases-IN-1

Chemical Properties

CAS No. :	370096-57-4
Formula:	C ₂₀ H ₁₆ N ₄ O
Molecular Weight:	328.37
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	ROS kinases-IN-1 is a ROS tyrosine kinase inhibitor with IC ₅₀ value of 1.22 μM. ROS kinases-IN-1 shows anti-tumor activity.
Targets(IC ₅₀)	ROS Kinase
In vitro	ROS kinases-IN-1 (1-100 μM; 1 d) inhibits the growth of cervical cancer and glioblastoma cells[1].

Solubility Information

Solubility	DMSO: 10 mg/mL (30.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0453 mL	15.2267 mL	30.4535 mL
5 mM	0.6091 mL	3.0453 mL	6.0907 mL
10 mM	0.3045 mL	1.5227 mL	3.0453 mL
50 mM	0.0609 mL	0.3045 mL	0.6091 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

Dorre A. GRUENEBERG, et al. Novel methods, compounds, and compositions for inhibition of ros.
WO2014141129A2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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