ROS kinases-IN-1

Cat. No.: HY-148228

CAS No.: 370096-57-4

Molecular Formula: $C_{20}H_{16}N_4O$

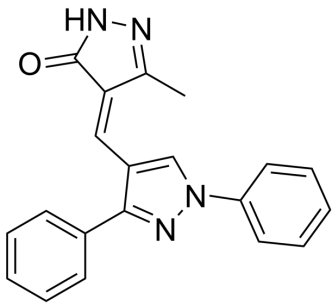
Molecular Weight: 328.37

Target: ROS Kinase

Pathway: Protein Tyrosine Kinase/RTK

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20.83 mg/mL (63.43 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ROS kinases-IN-1 (pag 98) is a ROS tyrosine kinase inhibitor with IC_{50} value of 1.22 μM. ROS kinases-IN-1 shows anti-tumor activity[1].

IC_{50} & Target

IC_{50}: 1.22 μM (ROS kinase)[1]

In Vitro

ROS kinases-IN-1 (1-100 μM; 1 d) inhibits the growth of cervical cancer cell and glioblastoma cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	HeLa, U138, U87, LN18, and U118 cells
Concentration:	1, 10, and 100 μM
Incubation Time:	one day

Result:	Showed EC_{50}s for HeLa, U138, U87, LN18, and U118 cells of 20, 8, 8, 12, and 7 μM, respectively.

REFERENCES

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

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