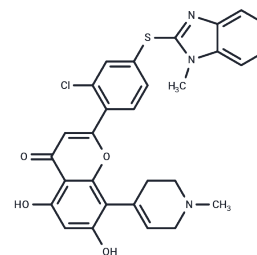


CDK9/10/GSK3β-IN-1

Chemical Properties

CAS No. :	2423045-06-9
Formula:	C ₂₉ H ₂₄ ClN ₃ O ₄ S
Molecular Weight:	546.04
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	CDK9/10/GSK3β-IN-1 is a kinase inhibitor (Flavopiridol analogue) that effectively inhibits HsGSK3β, HsCDK9/CyclinT, HsCDK5/p25 and HsCDK2/CyclinA with IC ₅₀ values of 59 nM, 64 nM, 1.093 μM and 1.725 μM, respectively. CDK9/10/GSK3β-IN-1 exhibited comparable or higher anti-cancer cell activity than Flavopiridol and showed high anti-proliferative activity against up to seven cancer cell lines in vitro.
Targets(IC ₅₀)	Others,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8314 mL	9.1568 mL	18.3137 mL
5 mM	0.3663 mL	1.8314 mL	3.6627 mL
10 mM	0.1831 mL	0.9157 mL	1.8314 mL
50 mM	0.0366 mL	0.1831 mL	0.3663 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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