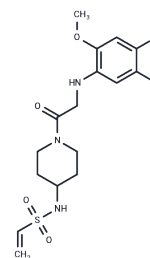


K-Ras(G12C) inhibitor 9

Chemical Properties

CAS No. :	1469337-91-4
Formula:	C ₁₆ H ₂₁ ClIN ₃ O ₄ S
Molecular Weight:	513.78
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	K-Ras(G12C) inhibitor 9 is an allosteric inhibitor of oncogenic K-Ras(G12C).
Targets(IC ₅₀)	Raf,Ras
In vitro	K-Ras(G12C) inhibitor 9 belongs to a series of small molecules, which irreversibly bind to a common oncogenic mutant K-Ras(G12C) and blocks K-Ras(G12C) interactions. Some of them decrease viability and increase apoptosis of G12C-containing cancer cell lines. [1]

Solubility Information

Solubility	DMSO: 55 mg/mL (107.05 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9464 mL	9.7318 mL	19.4636 mL
5 mM	0.3893 mL	1.9464 mL	3.8927 mL
10 mM	0.1946 mL	0.9732 mL	1.9464 mL
50 mM	0.0389 mL	0.1946 mL	0.3893 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

Ostrem JM, et al. Nature. 2013, 503(7477), 548-551.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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