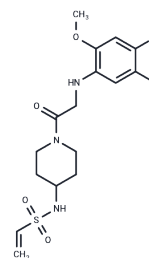


K-Ras(G12C) inhibitor 9

Chemical Properties

CAS No. :	1469337-91-4
Formula:	C ₁₆ H ₂₁ ClIN ₃ O ₄ S
Molecular Weight:	513.78
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	K-Ras(G12C) inhibitor 9 is an allosteric inhibitor of oncogenic K-Ras(G12C).
Targets(IC50)	Raf
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.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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