

ARS-1323-alkyne

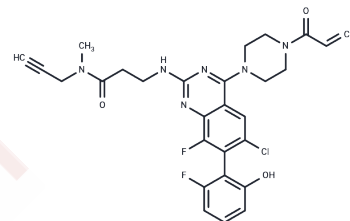
Chemical Properties

CAS No. : 2436544-27-1

Formula: C₂₈H₂₇ClF₂N₆O₃

Molecular Weight: 569

Storage: Store at low temperature, Keep away from moisture,
Keep away from direct sunlight
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	ARS-1323-alkyne is a switch-II pocket (S-IIP) inhibitor and a conformational specific chemical reporter of KRASG12C nucleotide state in living cells.
Targets(IC50)	Ras, Kras

Solubility Information

Solubility	DMSO: 35.71 mg/mL (62.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.51 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7575 mL	8.7873 mL	17.5747 mL
5 mM	0.3515 mL	1.7575 mL	3.5149 mL
10 mM	0.1757 mL	0.8787 mL	1.7575 mL
50 mM	0.0351 mL	0.1757 mL	0.3515 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

Lou K, et al. KRASG12C inhibition produces a driver-limited state revealing collateral dependencies. *Sci Signal*. 2019 May 28;12(583). pii: eaaw9450.

Koch PD, Quintana J, Ahmed M, Kohler RH, Weissleder R. SMALL MOLECULE IMAGING AGENT FOR MUTANT KRAS G12C. *Adv Ther (Weinh)*. 2021;4(5):2000290. doi:10.1002/adtp.202000290

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