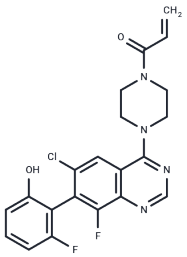
Data Sheet (Cat.No.T10376)

TargetMol

ARS-1630

Chemical Properties



CAS No. : 1698055-86-5

Formula: C21H17ClF2N4O2

Molecular Weight: 430.84

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	ARS-1630 is a mutant K-ras G12C inhibitor. It is a less active enantiomer of ARS-1620.
Targets(IC50)	Ras,Kras

Solubility Information

Solubility	DMSO: 100 mg/mL (232.1 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: 4 mg/mL (9.28 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.321 mL	11.6052 mL	23.2105 mL
5 mM	0.4642 mL	2.321 mL	4.6421 mL
10 mM	0.2321 mL	1.1605 mL	2.321 mL
50 mM	0.0464 mL	0.2321 mL	0.4642 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

Liansheng Li, et al. Inhibitors of kras g12c. WO 2015054572 A1.
Janes MR, et al. Targeting KRAS Mutant Cancers with a Covalent G12C-Specific Inhibitor. Cell. 2018 Jan 25;172(3): 578-589.e17.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481