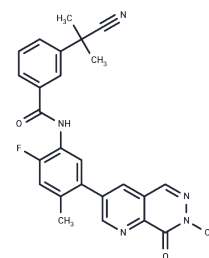


GNE-9815

Chemical Properties

CAS No. :	2729996-45-4
Formula:	C ₂₆ H ₂₂ FN ₅ O ₂
Molecular Weight:	455.48
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	GNE-9815 (3-(2-cyanopropan-2-yl)-N-[2-fluoro-4-methyl-5-(7-methyl-8-oxo-7,8-dihydropyrido[2,3-d]pyridazin-3-yl)phenyl]benzamide) is a high kinase-selective inhibitor of RAF and targets KRAS-mutant cancers through combination therapy.
Targets(IC50)	Raf,Ras,Kras

Solubility Information

Solubility	DMSO: 39.17 mg/mL (86 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: 1 mg/mL (2.2 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	2.1955 mL	10.9774 mL	21.9549 mL
5 mM	0.4391 mL	2.1955 mL	4.391 mL
10 mM	0.2195 mL	1.0977 mL	2.1955 mL
50 mM	0.0439 mL	0.2195 mL	0.4391 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

Huestis MP, et al. Targeting KRAS Mutant Cancers via Combination Treatment: Discovery of a Pyridopyridazinone pan-RAF Kinase Inhibitor. ACS Med Chem Lett. 2021 Apr 21;12(5):791-797.

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