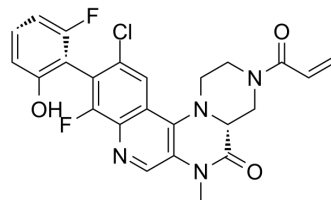


KRAS G12C inhibitor 14

Cat. No.:	HY-125872
CAS No.:	2349393-95-7
Molecular Formula:	C ₂₄ H ₁₉ ClF ₂ N ₄ O ₃
Molecular Weight:	484.88
Target:	Ras
Pathway:	GPCR/G Protein
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (206.24 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass		
			1 mg	5 mg	10 mg
			1 mM	2.0624 mL	10.3118 mL
		5 mM	0.4125 mL	2.0624 mL	4.1247 mL
		10 mM	0.2062 mL	1.0312 mL	2.0624 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 9 mg/mL (18.56 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	KRAS G12C inhibitor 14 is a potent KRAS G12C inhibitor extracted from patent WO2019110751A1, compound 17, has an IC ₅₀ of 18 nM ^[1] .
IC ₅₀ & Target	KRas G12C 18 nM (IC ₅₀)

REFERENCES

[1]. Jason Grant Kettle, et al. Tetracyclic compounds as inhibitors of g12c mutant ras protein, for use as anti-cancer agents. WO2019110751A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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