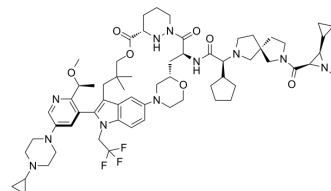


RMC-9805

Cat. No.:	HY-156819
CAS No.:	2922732-54-3
Molecular Formula:	C ₆₃ H ₈₈ F ₃ N ₁₁ O ₇
Molecular Weight:	1168.44
Target:	Ras
Pathway:	GPCR/G Protein; MAPK/ERK Pathway
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (106.98 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.8558 mL	4.2792 mL	8.5584 mL
	5 mM		0.1712 mL	0.8558 mL	1.7117 mL
	10 mM		0.0856 mL	0.4279 mL	0.8558 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	RMC-9805 (KRAS G12D inhibitor 18) is a KRAS G12D inhibitor ^[1] . RMC-9805 is orally active. RMC-9805 inhibits RAS signaling to induce apoptosis in KRAS G12D mutant cancer cells ^[2] .
IC ₅₀ & Target	KRAS(G12D)

REFERENCES

[1]. BLAKE JAMES F, et al. Preparation of peptide-linked macrocyclic dipeptides as Ras inhibitors. World Intellectual Property Organization, WO2023060253 A1 2023-04-13

[2]. Knox, J et al. RMC-9805, a first-in-class, mutant-selective, covalent and orally bioavailable KRASG12D(ON) inhibitor, promotes cancer-associated neoantigen recognition and synergizes with immunotherapy in preclinical models. Cancer Res 1 April 2023; 83 (7_Supplement): 3475

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA