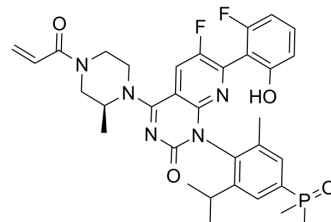


KRAS G12C inhibitor 28

Cat. No.:	HY-142460
CAS No.:	2649004-88-4
Molecular Formula:	C ₃₃ H ₃₆ F ₂ N ₅ O ₄ P
Molecular Weight:	635.64
Target:	Ras
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (78.66 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.5732 mL	7.8661 mL	15.7322 mL
		5 mM	0.3146 mL	1.5732 mL	3.1464 mL
	10 mM	0.1573 mL	0.7866 mL	1.5732 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: ≥ 2.5 mg/mL (3.93 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.93 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.93 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	KRAS G12C inhibitor 28 is a KRAS G12C inhibitor with an IC ₅₀ of 57 nM. KRAS G12C inhibitor 28 has antitumor effects (WO2021113595A1; Example 1) ^[1] .
IC₅₀ & Target	KRas G12C 57 nM (IC ₅₀)

REFERENCES

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

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