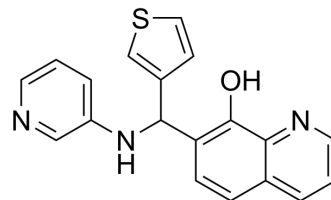


B-Raf IN 15

Cat. No.:	HY-153603		
CAS No.:	832107-31-0		
Molecular Formula:	C ₁₉ H ₁₅ N ₃ OS		
Molecular Weight:	333.41		
Target:	Raf		
Pathway:	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 : 100 mg/mL (299.93 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9993 mL	14.9966 mL	29.9931 mL
		5 mM	0.5999 mL	2.9993 mL	5.9986 mL
10 mM		0.2999 mL	1.4997 mL	2.9993 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 (7.50 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.50 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	B-Raf IN 15 (Compound 7) is a BRAF inhibitor. B-Raf IN 15 inhibits BRAF WT and BRAF V600E with IC ₅₀ s of 2.0 and 0.8 μM. B-Raf IN 15 can be used for the research of cancer ^[1] .
IC₅₀ & Target	BRaf ^[1]

REFERENCES

[1]. Qin J, et al. Identification of a novel family of BRAF(V600E) inhibitors. J Med Chem. 2012 Jun 14;55(11):5220-30.

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

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