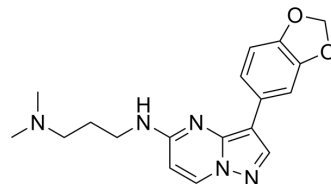


RET-IN-3

Cat. No.:	HY-133553		
CAS No.:	2414374-53-9		
Molecular Formula:	C ₁₈ H ₂₁ N ₅ O ₂		
Molecular Weight:	339		
Target:	RET		
Pathway:	Protein Tyrosine Kinase/RTK		
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 (294.99 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.9499 mL	14.7493 mL	29.4985 mL
		5 mM		0.5900 mL	2.9499 mL	5.8997 mL
10 mM			0.2950 mL	1.4749 mL	2.9499 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 (7.37 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.37 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	RET-IN-3 (compound 34) is a selective RETV804M kinase inhibitor, with an IC ₅₀ of 19 nM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 19 nM (RETV804M) ^[1] .
In Vitro	RET-IN-3 exhibits 16 and 410 fold selectivity compared to wt-RET and KDR, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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