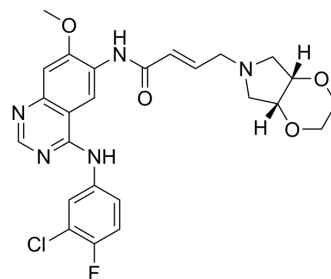


EGFR/HER2-IN-9

Cat. No.:	HY-153111		
CAS No.:	1637253-79-2		
Molecular Formula:	C ₂₅ H ₂₅ ClFN ₅ O ₄		
Molecular Weight:	513.95		
Target:	EGFR		
Pathway:	JAK/STAT Signaling; 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 (194.57 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9457 mL	9.7286 mL	19.4571 mL
		5 mM	0.3891 mL	1.9457 mL	3.8914 mL
10 mM		0.1946 mL	0.9729 mL	1.9457 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 (4.86 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.86 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	EGFR/HER2-IN-9 (Compound 1) is an EGFR and HER2 inhibitor with IC ₅₀ s of 3.2, 8.3 and 14 nM against EGFR, EGFR T790M and HER2, respectively ^[1] .		
IC₅₀ & Target	EGFR 3.2 nM (IC ₅₀)	EGFR ^{T790M} 8.3 nM (IC ₅₀)	HER2 14 nM (IC ₅₀)

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