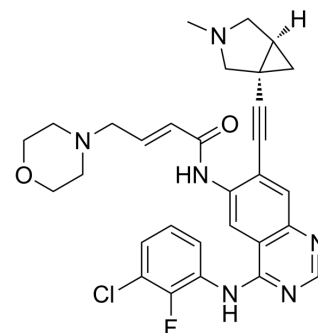


EGFR-IN-76

Cat. No.:	HY-153268		
CAS No.:	2607829-38-7		
Molecular Formula:	C ₃₀ H ₃₀ ClFN ₆ O ₂		
Molecular Weight:	561.05		
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 (178.24 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions	1 mM	1.7824 mL	8.9119 mL
	5 mM	0.3565 mL	1.7824 mL	
	10 mM	0.1782 mL	0.8912 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 (4.46 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	EGFR-IN-76 (compound 37A) is a potent inhibitor of EGFR ^[1] . EGFR-IN-76 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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REFERENCES

[1]. Lucas MC, et al. Preparation of alkynyl quinazoline compounds as anticancer agents. World Intellectual Property Organization, WO2021030711 A1. 2021-02-18.

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

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