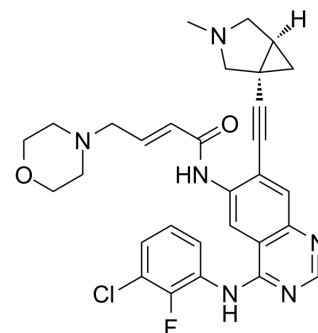


BDTX-1535

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		10 mg	
	1 mM	1.7824 mL	8.9119 mL	17.8237 mL
	5 mM	0.3565 mL	1.7824 mL	3.5647 mL
	10 mM	0.1782 mL	0.8912 mL	1.7824 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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