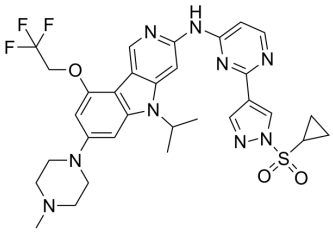
CH7233163

Cat. No.:	HY-137191
CAS No.:	2923365-71-1
Molecular Formula:	$C_{31}H_{34}F_3N_9O_3S$
Molecular Weight:	669.72
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 (149.32 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.4932 mL	7.4658 mL	14.9316 mL
5 mM	0.2986 mL	1.4932 mL	2.9863 mL
10 mM	0.1493 mL	0.7466 mL	1.4932 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 (3.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

CH7233163 is a noncovalent ATP-competitive inhibitor for EGFR-Del19/T790M/C797S. CH7233163 can overcome Osimertinib (HY-15772)-Resistant EGFR-Del19/T790M/C797S mutation. CH7233163 blocks the EGFR phosphorylation in the Del19/T790M/C797S_NIH3T3 cells. CH7233163 has antitumor activities[1].

REFERENCES

[1]. Kashima K, et al. CH7233163 Overcomes Osimertinib-Resistant EGFR-Del19/T790M/C797S Mutation. Mol Cancer Ther. 2020 Nov;19(11):2288-2297.

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

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