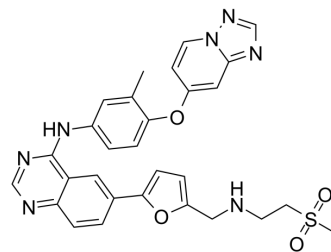


ARRY-380 analog

Cat. No.:	HY-10531		
CAS No.:	937265-83-3		
Molecular Formula:	C ₂₉ H ₂₇ N ₇ O ₄ S		
Molecular Weight:	569.63		
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 : 83.33 mg/mL (146.29 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7555 mL	8.7776 mL	17.5553 mL
5 mM	0.3511 mL	1.7555 mL	3.5111 mL
10 mM	0.1756 mL	0.8778 mL	1.7555 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (3.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.08 mg/mL (3.65 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

ARRY-380 analog, an inhibitor of EGFR (ErbB1), is extracted from patent WO2015153959A2, compound 249^[1]. ARRY-380 is a potent, selective, ATP-competitive, orally active inhibitor of HER2^[2].

REFERENCES

- [1]. Zaneta Nikolovska-Coleska, et al. Small molecule inhibitors of mcl-1 and uses thereof. WO2015153959A2.

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

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