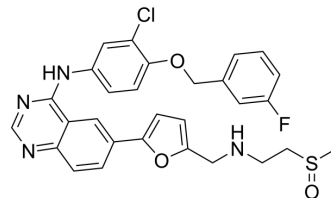


Selatinib

Cat. No.:	HY-116437
CAS No.:	1275595-86-2
Molecular Formula:	C ₂₉ H ₂₆ ClFN ₄ O ₃ S
Molecular Weight:	565.06
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (176.97 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.7697 mL	8.8486 mL	17.6972 mL	
5 mM	0.3539 mL	1.7697 mL	3.5394 mL	
10 mM	0.1770 mL	0.8849 mL	1.7697 mL	

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

BIOLOGICAL ACTIVITY

Description

Selatinib is a reversible and orally active dual EGFR and ErbB2 inhibitor with IC₅₀s of 13 nM and 22.5 nM, respectively. Selatinib has anticancer effects^[1].

IC₅₀ & Target

EGFR 13 nM (IC ₅₀)	ErbB2 22.5 nM (IC ₅₀)
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REFERENCES

[1]. Meng-Na Wang, et al. First-in-human, phase I single-ascending-dose study of the safety, pharmacokinetics, and relative bioavailability of selatinib, a dual EGFR-ErbB2 inhibitor in healthy subjects. *Invest New Drugs*. 2020 Dec;38(6):1826-1835.

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

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