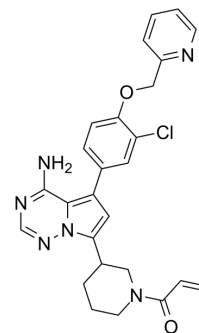


EGFR-IN-36

Cat. No.:	HY-144053
CAS No.:	2711105-54-1
Molecular Formula:	C ₂₆ H ₂₅ ClN ₆ O ₂
Molecular Weight:	488.97
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR-IN-36 is a potent EGFR inhibitor with IC ₅₀ s of 19.09 nM, 120.01 nM, 2.35 nM for EGFR (WT), HER2 (WT), HER2 (A775_G776insYVMA), respectively. EGFR-IN-36 has potential for wild and/or mutant EGFR and/or HER2 kinase mediated tumors research ^[1] .		
IC₅₀ & Target	EGFR (WT) 19.09 nM (IC ₅₀)	HER2(WT) 120.01 nM (IC ₅₀)	HER2 (A775_G776insYVMA) 2.35 nM (IC ₅₀)
In Vitro	EGFR-IN-36 (compound 8) inhibits A431 cell (IC ₅₀ =223.6 nM), A549 cell (IC ₅₀ =7644.42 nM), H1975 cell (IC ₅₀ =20.68 nM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Yihan Wang, et al. Substituted acrylamide derivatives and their compositions and uses. WO2021185348A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA