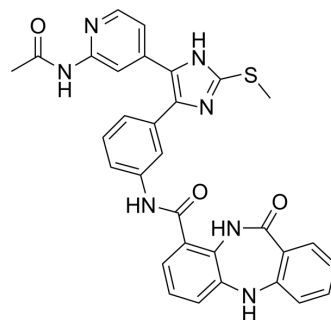


EGFR kinase inhibitor 3

Cat. No.:	HY-162299
CAS No.:	2922402-03-5
Molecular Formula:	C ₃₁ H ₂₅ N ₇ O ₃ S
Molecular Weight:	575.64
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 kinase inhibitor 3 (compound 2) is a bivalent ATP-allosteric EGFR kinase inhibitor with IC ₅₀ s of <10 nM, 1.5 nM, 0.059 nM, 0.064 nM for WT EGFR, EGFR-activating mutations L858R, L858R/T790M and L858R/T790M/C797S, respectively. EGFR kinase inhibitor 3 is a C-linked inhibitor ^[1] .			
IC₅₀ & Target	EGFR (WT) <10 nM (IC ₅₀)	EGFR L858R 1.5 nM (IC ₅₀)	EGFR L858R/T790M 0.059 nM (IC ₅₀)	EGFR L858R/T790M/C797S 0.064 nM (IC ₅₀)

REFERENCES

[1]. Florian Wittlinger, et al. Linking ATP and allosteric sites to achieve superadditive binding with bivalent EGFR kinase inhibitors. *Commun Chem.* 2024 Feb 20;7(1):38.

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

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