EGFR/ErbB-2/ErbB-4 inhibitor-3

Cat. No.: HY-103440

CAS No.: 881001-19-0

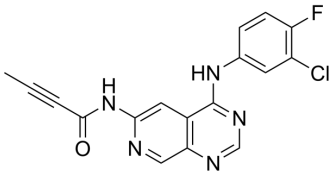
Molecular Formula: $C_{17}H_{11}ClFN_5O$

Molecular Weight: 355.75

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/ErbB-2/ErbB-4 inhibitor-3 (compound 29) is a potent tyrosine kinase inhibitor with IC_{50}s of 0.3, 1.1, 0.5, 2.5, 24 nM for erbB1, erbB2, erbB4, EGF, HER, respectively[1]. EGFR/ErbB-2/ErbB-4 inhibitor-3 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

IC_{50} & Target				
	ErbB2 1.1 nM (IC_{50})	ErbB1 0.3 nM (IC_{50})	ErbB4 0.5 nM (IC_{50})	EGFR 2.5 nM (IC_{50})
	HER 24 nM (IC_{50})			

REFERENCES

[1]. Klutchko SR, et al. Tyrosine kinase inhibitors. 19. 6-Alkynamides of 4-anilinoquinazolines and 4-anilinopyrido[3,4-d]pyrimidines as irreversible inhibitors of the erbB family of tyrosine kinase receptors. J Med Chem. 2006 Feb 23;49(4):1475-85.

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