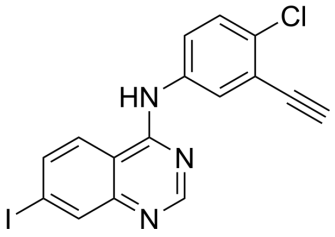
EGFR-IN-71

Cat. No.:	HY-150781
CAS No.:	2676155-98-7
Molecular Formula:	$C_{16}H_9ClIN_3$
Molecular Weight:	405.62
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-71 is a potent narrow spectrum epidermal growth factor receptor (EGFR) inhibitor with IC_{50} values of 3.7 μM. EGFR-IN-71 can be used for researching chordoma[1]. EGFR-IN-71 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	IC_{50}: 3.7 μM (EGFR)[1]
In Vitro	EGFR-IN-71 (compound 41) (0-100 μM; 72 h) has inhibitory activity against U-CH1, U-CH2, CH22, UM-Chor1, U-CH12 and U-CH7 chordoma cell lines[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay[1]

Cell Line:	U-CH1, U-CH2, CH22, UM-Chor1, U-CH12 and U-CH7
Concentration:	0-100 μM
Incubation Time:	72 h
Result:	Exhibited inhibitory activity against U-CH1, U-CH2, CH22, UM-Chor1, U-CH12 and U-CH7 chordoma cell lines with IC_{50}s of 9.1 μM, 16 μM, 0.48 μM, 25 μM, 0.96 μM and 8.0 μM, respectively.

REFERENCES

[1]. Bieberich AA, et al. Optimization of the 4-anilinoquin(az)oline scaffold as epidermal growth factor receptor (EGFR) inhibitors for chordoma utilizing a toxicology profiling assay platform. Sci Rep. 2022 Jul 27;12(1):12820.

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