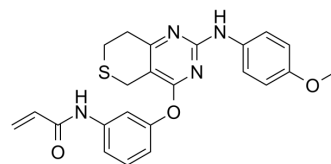


EGFR-IN-56

Cat. No.:	HY-146136
CAS No.:	2477726-83-1
Molecular Formula:	C ₂₃ H ₂₂ N ₄ O ₃ S
Molecular Weight:	434.51
Target:	EGFR; Apoptosis
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR-IN-56 (Compound 13a) is a potent EGFR inhibitor with IC ₅₀ values of 541.7 nM and 132.1 nM against EGFR ^{T790M} and EGFR ^{T790M/L858R} , respectively. EGFR-IN-56 blocks cancer cells in G2/M phase and induce into late apoptosis ^[1] .	
IC₅₀ & Target	EGFR ^{L858R/T790M} 132.1 nM (IC ₅₀)	EGFR ^{T790M} 541.7 nM (IC ₅₀)

REFERENCES

[1]. Xiao Z, et al. Discovery of thiapyran-pyrimidine derivatives as potential EGFR inhibitors. *Bioorg Med Chem*. 2020 Oct 1;28(19):115669.

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