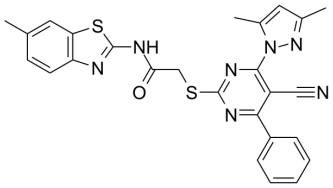
EGFR/HER2/TS-IN-2

Cat. No.:	HY-146239
CAS No.:	2444364-04-7
Molecular Formula:	$C_{26}H_{21}N_7OS_2$
Molecular Weight:	511.62
Target:	EGFR; Thymidylate Synthase
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/HER2/TS-IN-2 (compound 17) is a potent EGFR/HER2 and TS (Thymidylate synthase) inhibitor, with IC_{50} values of 0.173, 0.125, and 1.12 μM, respectively. EGFR/HER2/TS-IN-2 shows cytotoxic activity against MDA-MB-231 cancer cell lines, with an IC_{50} of 1.69 μM[1].	
IC_{50} & Target	HER2 0.125 ± 0. μM (IC_{50})	EGFR 0.173 ± 0. μM (IC_{50})
In Vitro	EGFR/HER2/TS-IN-2 (compound 17) shows the GI (growth inhibition)=53.20 and 49.35% towards ovarian cancer IGROV1 and renal cancer UO-31, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Abdellatif KRA, et al. Design, synthesis, molecular docking and antiproliferative activity of some novel benzothiazole derivatives targeting EGFR/HER2 and TS. Bioorg Chem. 2020 Aug;101:103976.

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