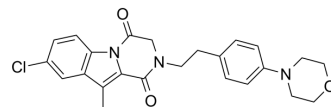


EGFR/BRAFV600E-IN-1

Cat. No.:	HY-147825
CAS No.:	2492429-45-3
Molecular Formula:	C ₂₄ H ₂₄ ClN ₃ O ₃
Molecular Weight:	437.92
Target:	EGFR; Raf; Apoptosis
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; MAPK/ERK Pathway; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

EGFR/BRAFV600E-IN-1 (Compound 23) is a potent EGFR and BRAF^{V600E} dual inhibitor with IC₅₀s of 0.08 and 0.15 μM, respectively. EGFR/BRAFV600E-IN-1 induces apoptosis and cell cycle arrest in both pre-G1 and G2/M phases. EGFR/BRAFV600E-IN-1 exhibits antiproliferative activity against A-549, MCF-7, Panc-1, HT-29 with IC₅₀s of 1.2, 0.79, 1.3, and 1.23 μM, respectively^[1].

REFERENCES

[1]. Lamy H Al-Wahaibi, et al. Design and synthesis of novel 2,3-dihydropyrazino[1,2-a]indole-1,4-dione derivatives as antiproliferative EGFR and BRAF V600E dual inhibitors. Bioorg Chem. 2020 Nov;104:104260.

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

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