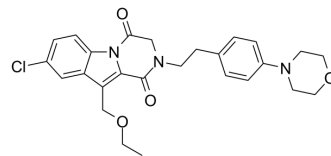


## EGFR/BRAF-IN-1

Cat. No.:	HY-115933
CAS No.:	2906174-89-6
Molecular Formula:	C <sub>26</sub> H <sub>28</sub> ClN <sub>3</sub> O <sub>4</sub>
Molecular Weight:	481.97
Target:	EGFR; Raf
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	EGFR/BRAF-IN-1 (compound 21), a 2,3-dihydropyrazino[1,2-a]indole-1,4-dione derivative, is a potent EGFR/BRAF inhibitor with an IC <sub>50</sub> of 45 nM for BRAF <sup>V600E</sup> . EGFR/BRAF-IN-1 inhibits cancer cell proliferation (GI <sub>50</sub> =35 nM). EGFR/BRAF-IN-1 shows good antioxidant activity <sup>[1]</sup> .	
IC <sub>50</sub> & Target	EGFR	BRaf <sup>V600E</sup> 45 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Hesham A M Gomaa, et al. Optimization and SAR investigation of novel 2,3-dihydropyrazino[1,2-a]indole-1,4-dione derivatives as EGFR and BRAF V600E dual inhibitors with potent antiproliferative and antioxidant activities. *Bioorg Chem.* 2022 Jan 19;120:105616.

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

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