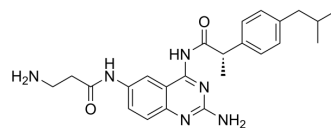


EGFR-IN-106

| | |
|--------------------|---|
| Cat. No.: | HY-162323 |
| Molecular Formula: | C ₂₄ H ₃₀ N ₆ O ₂ |
| Molecular Weight: | 434.53 |
| 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-106 (compound 6) is a potent EGFR inhibitor with an IC ₅₀ value of 0.2396 μM. EGFR-IN-106 shows cytotoxic and anti-inflammatory activity ^[1] | | | | | | | | |
| IC₅₀ & Target | EGFR 0.2396 μM (IC ₅₀) | | | | | | | | |
| In Vitro | <p>EGFR-IN-106 (compound 6) (0-100 μM; 24 h) shows cytotoxic for AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells with IC₅₀s of 3.64, 0.034, 2.67, 10.51, >100 μM, respectively^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell viability with IC₅₀s of 3.64, 0.034, 2.67, 10.51, >100 μM for AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells, respectively.</td> </tr> </table> | Cell Line: | AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells | Concentration: | 0-100 μM | Incubation Time: | 24 h | Result: | Inhibited cell viability with IC ₅₀ s of 3.64, 0.034, 2.67, 10.51, >100 μM for AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells, respectively. |
| Cell Line: | AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells | | | | | | | | |
| Concentration: | 0-100 μM | | | | | | | | |
| Incubation Time: | 24 h | | | | | | | | |
| Result: | Inhibited cell viability with IC ₅₀ s of 3.64, 0.034, 2.67, 10.51, >100 μM for AGS, A-431, MCF-7, MDA-MB-231, HaCaT cells, respectively. | | | | | | | | |

REFERENCES

[1]. Garduño-Villavicencio LR, et al. Compounds Consisting of Quinazoline, Ibuprofen, and Amino Acids with Cytotoxic and Anti-Inflammatory Effects. ChemMedChem. 2024 Feb 14:e202300651.

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

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