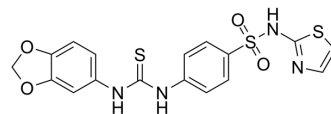


## EGFR-IN-54

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-146474   |
| CAS No.:           | 2418549-30-9  |
| Molecular Formula: | C <sub>17</sub> H <sub>14</sub> N <sub>4</sub> O <sub>4</sub> S <sub>3</sub>              |
| Molecular Weight:  | 434.51  |
| 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-54 (Compound 3c) is a potent EGFR inhibitor with an IC <sub>50</sub> of 1.623 μM. EGFR-IN-54 shows cytotoxic activity against cancer cell lines <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | EGFR<br>1.623 μM (IC <sub>50</sub> )   |

### REFERENCES

[1]. Abbas SY, et al. Synthesis and anticancer activity of thiourea derivatives bearing a benzodioxole moiety with EGFR inhibitory activity, apoptosis assay and molecular docking study. Eur J Med Chem. 2020 Jul 15;198:112363.

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

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