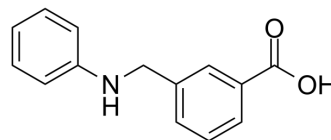


DHFR-IN-2

| | |
|--------------------|---|
| Cat. No.: | HY-147661 |
| CAS No.: | 331942-46-2 |
| Molecular Formula: | C ₁₄ H ₁₃ NO ₂ |
| Molecular Weight: | 227.26 |
| Target: | Antifolate |
| Pathway: | Cell Cycle/DNA Damage |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | DHFR-IN-2 (compound 4e) is a potent and uncompetitive inhibitor for MtDHFR (dihydrofolate reductase from M. tuberculosis), with an IC ₅₀ of 7 μM. DHFR-IN-2 can be used for tuberculosis (TB) research ^[1] . |
| IC ₅₀ & Target | IC ₅₀ : 7 ± 0.13 μM (MtDHFR) ^[1] |

REFERENCES

[1]. Kronenberger T, et al. Design, synthesis and biological activity of novel substituted 3-benzoic acid derivatives as MtDHFR inhibitors. Bioorg Med Chem. 2020 Aug 1;28(15):115600.

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

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