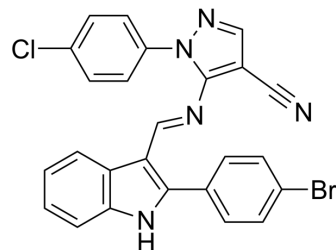


DNA Gyrase-IN-5

| | |
|---------------------------|---|
| Cat. No.: | HY-147988 |
| CAS No.: | 2417016-23-8 |
| Molecular Formula: | C ₂₅ H ₁₅ BrClN ₅ |
| Molecular Weight: | 500.78 |
| Target: | Bacterial; DNA/RNA Synthesis |
| Pathway: | Anti-infection; Cell Cycle/DNA Damage |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|--|
| Description | DNA Gyrase-IN-5 (Compound 8I-w) is a potent DNA gyrase inhibitor with an IC ₅₀ of 0.10 μM. DNA Gyrase-IN-5 shows antibacterial activities against wild type and drug-resistant strains ^[1] . |
| IC₅₀ & Target | IC ₅₀ : 0.10 μM (DNA gyrase) ^[1] |
| In Vitro | DNA Gyrase-IN-5 (Compound 8I-w) shows antibacterial activities with IC ₅₀ values of 4.7, 7.0, 17.0, 13.5, 1.0, 25.3 and 47.8 μM against E. coli, E. coli E564, E. coli E68, E. coli E48, E. coli E109, Salmonella and S. aureus, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Liu H, et al. Discovery of novel multi-substituted benzo-indole pyrazole schiff base derivatives with antibacterial activity targeting DNA gyrase. Bioorg Chem. 2020 Jun;99:103807.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA