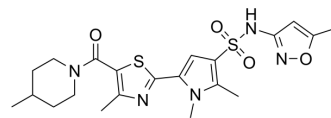


Cas9-IN-2

| | |
|--------------------|---|
| Cat. No.: | HY-144119 |
| CAS No.: | 1030133-34-6 |
| Molecular Formula: | C ₂₁ H ₂₇ N ₅ O ₄ S ₂ |
| Molecular Weight: | 477.6 |
| Target: | CRISPR/Cas9 |
| Pathway: | Cell Cycle/DNA Damage |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Cas9-IN-2 is a potent Cas9 inhibitor (IC ₅₀ =246 μM), Cas9-IN-2 acts by binding to apo-Cas9 to prevent Cas9:gRNA complex formation, which can potentially be applied to modulate and control Cas9 activity in various applications ^[1] . |
| In Vitro | Cas9-IN-1 (compound 2) (200 and 500 μM; overnight) helps the E. coli selection strain to survive SpyCas9-induced killing ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Lee SW, et al. Identification and Optimization of Novel Small-Molecule Cas9 Inhibitors by Cell-Based High-Throughput Screening. J Med Chem. 2022;65(4):3266-3305.

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