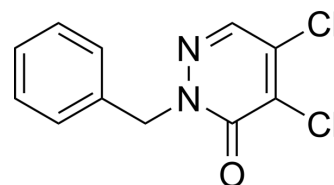


## EcDsbB-IN-9

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-118211   |       |          |
| <b>CAS No.:</b>           | 41933-33-9  |       |          |
| <b>Molecular Formula:</b> | C <sub>11</sub> H <sub>8</sub> Cl <sub>2</sub> N <sub>2</sub> O |       |          |
| <b>Molecular Weight:</b>  | 255.1   |       |          |
| <b>Target:</b>            | Others  |       |          |
| <b>Pathway:</b>           | Others  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### BIOLOGICAL ACTIVITY

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | EcDsbB-IN-9 (Compound 9) is a potent <i>E. coli</i> DsbB ( <i>EcDsbB</i> ) inhibitor with an IC <sub>50</sub> of 1.7 μM and a K <sub>i</sub> of 46 nM <sup>[1]</sup> .   |
| <b>IC<sub>50</sub> &amp; Target</b> | IC <sub>50</sub> : 1.7 μM ( <i>EcDsbB</i> ) <sup>[1]</sup><br>K <sub>i</sub> : 46 nM ( <i>EcDsbB</i> ) <sup>[1]</sup>  |
| <b>In Vitro</b>                     | EcDsbB-IN-9 (Compound 9) (0-100 μM) causes accumulation of reduced DsbA ( <i>EcDsbB</i> substrate) and inhibits oxidation of DsbA with an IC <sub>50</sub> of 8.5 ± 0.6 μM <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

[1]. Landeta C, et al. Compounds targeting disulfide bond forming enzyme DsbB of Gram-negative bacteria. *Nat Chem Biol.* 2015 Apr;11(4):292-8.

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

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