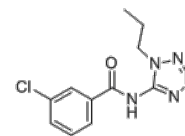


**Product Name** : KKL-35  
**Cat. No.** : PC-70354  
**CAS No.** : 865285-29-6  
**Molecular Formula** : C<sub>15</sub>H<sub>9</sub>ClFN<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 317.7  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



## Biological Activity

KKL-35 is a small molecule inhibitor of **trans-translation** that has broad-spectrum **antibiotic** activity, inhibits the trans-translation tagging reaction with an IC<sub>50</sub> of 0.9  $\mu$ M.

KKL-35 exhibits broad-spectrum antibiotic activity, validating trans-translation as a target for drug development. KKL-35 prevented growth of *B. anthracis* and *M. smegmatis* with MIC values  $\leq 6 \mu$ M (<2  $\mu$ g/mL).

## References

Ramadoss NS, et al. *Proc Natl Acad Sci U S A*. 2013 Jun 18;110(25):10282-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com