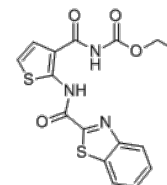


Product Name : TCA1
Cat. No. : PC-70348
CAS No. : 864941-32-2
Molecular Formula : C₁₆H₁₃N₃O₄S₂
Molecular Weight : 375.417
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

TCA1 is a small molecule with activity against drug-resistant and persistent tuberculosis, inhibits **DprE1** and **MoeW**, enzymes involved in cell wall and molybdenum cofactor biosynthesis.

TCA1 shows bactericidal activity against nonreplicating Mtb in vitro and is efficacious in acute and chronic Mtb infection mouse models.

TCA1 down-regulates genes known to be involved in Mtb persistence.

References

Wang F, et al. *Proc Natl Acad Sci U S A*. 2013 Jul 2;110(27):E2510-7.

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

E-mail: tech@probechem.com