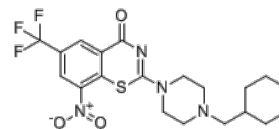


Product Name : Macozinone
Cat. No. : PC-61388
CAS No. : 1377239-83-2
Molecular Formula : C₂₀H₂₃F₃N₄O₃S
Molecular Weight : 456.484
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Macozinone (PBTZ-169, PBTZ169) is a potent, second-generation **antituberculosis agent** that inhibits **DprE1** and displays nanomolar bactericidal activity against *Mycobacterium tuberculosis* in vitro.

PBTZ169 is less cytotoxic than BTZ043 and shows significantly better efficacy at lower concentrations in the murine model of chronic TB, inhibits DprE1 more efficiently than BTZ043.

References

- Makarov V, et al. *EMBO Mol Med.* 2014 Mar;6(3):372-83.
 Makarov V, et al. *Antimicrob Agents Chemother.* 2015 Aug;59(8):4446-52.
 González-Martínez NA, et al. *PLoS Negl Trop Dis.* 2015 Oct 16;9(10):e0004022.
 Lechartier B, et al. *Antimicrob Agents Chemother.* 2015 Aug;59(8):4457-63.

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

E-mail: tech@probechem.com