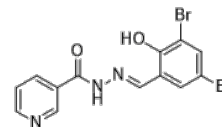


Product Name : INP0010
Cat. No. : PC-27562
CAS No. : 1255240-00-6
Molecular Formula : C₁₃H₉Br₂N₃O₂
Molecular Weight : 399.04
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

INP0010 is a small-molecular inhibitor of bacterial virulence factor, inhibits type III secretion system (T3SS), prevents virulence factor-mediated replication of *S. Typhimurium* in macrophage-like RAW264.7 cells.

INP0010 enhances expression of inducible nitric oxide synthase (iNOS), nitric oxide (NO) production, the oxidative burst and tumour necrosis factor- α (TNF α) release in infected RAW264.7 cells.

INP0010 also inhibits virulence-associated *Salmonella* pathogenicity island 2 (SPI2) activity in RAW264.7 cells.

INP0010 significantly attenuates the virulence of *S. Typhimurium* in *Caenorhabditis elegans*.

References

Gu L, et al. *Molecules* (Basel, Switzerland) 2015;20(9):17659–17674.

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

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