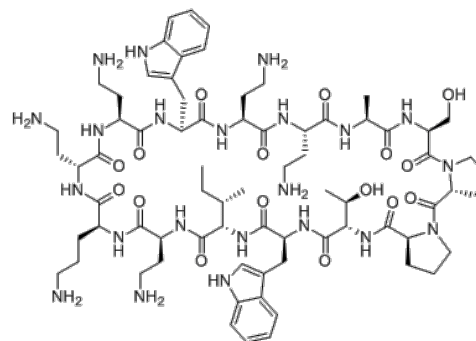


Product Name : Murepavadin
Cat. No. : PC-61295
CAS No. : 944252-63-5
Molecular Formula : C₇₃H₁₁₂N₂₂O₁₆
Molecular Weight : 1553.837
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Murepavadin (POL7080) is a highly potent, specific, macrocycle *Pseudomonas* **antibiotic**, activates mast cells via **MRGPRX2** and MrgprB2.

Murepavadin displays antibacterial activity against a broad panel of multi-drug-resistant *P. aeruginosa*.

Murepavadin induces Ca²⁺ mobilization, degranulation, chemokine IL-8 and CCL3 production in a human MC line (LAD2 cells) endogenously expressing MRGPRX2.

Murepavadin activates human MCs via MRGPRX2 and murine MCs via MrgprB2 and that MRGPRX2 is resistant to β -arrestin-mediated receptor regulation.

activates mast cells via MRGPRX2 and MrgprB2.

Murepavadin shows potential for the treatment of bacterial infections caused by *Pseudomonas aeruginosa*.

References

Bassetti M, et al. *Curr Opin Infect Dis*. 2018 Jan 13. doi: 10.1097/QCO.0000000000000438.

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

E-mail: tech@probechem.com