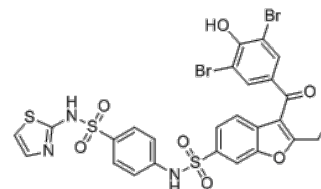


Product Name : PTP1B inhibitor BBR
Cat. No. : PC-20469
CAS No. : 765317-72-4
Molecular Formula : C₂₆H₁₉Br₂N₃O₇S₃
Molecular Weight : 741.44
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

PTP1B inhibitor BBR is a selective, non-competitive allosteric inhibitor of the protein tyrosine phosphatase PTP1B with IC₅₀ of 8 uM.

PTP1B inhibitor BBR exhibit selectivity for PTP1B over the related phosphatase leukocyte antigen-related protein, LAR (IC₅₀ > 500 uM), TC-PTP and PTP1B.

PTP1B inhibitor BBR enhances insulin signaling in cells.

References

Wiesmann, C., et al. Nature Structural & Molecular Biology, 2004. 11(8), 730–737.

Jin, T., et al. Scientific Reports, 2016. 6(1).

Anika J Friedman, et al. J Phys Chem B. 2022 Oct 27;126(42):8427-8438.

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

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