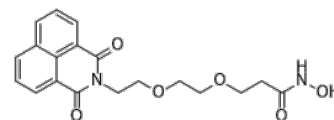


Product Name : PTERi
Cat. No. : PC-26061
CAS No. : 3114432-21-9
Molecular Formula : C₁₉H₂₀N₂O₆
Molecular Weight : 372.38
Target : HDAC
Solubility : 10 mM in DMSO



CAS: 3114432-21-9

Biological Activity

PTERi (PTER inhibitor, PTER-IN-1) is a potent, selective inhibitor of **PTER** (phosphotriesterase-related) with IC₅₀ of 43 nM (recombinant mouse PTER activity), >100-fold selectivity for PTER over HDACs and sirtuin (SIRT) deacetylases in vitro. PTERi also inhibits human (IC₅₀=830 nM), rat, and sponge PTER enzymes with IC₅₀ concentrations in the nanomolar range. PTERi enhances GLP1-RA (glucagon like peptide 1 receptor agonist)-induced weight loss, and prevents weight regain after GLP1-RA discontinuation in diet-induced obese mice reduces feeding.

References

Fu S, et al. *bioRxiv* [Preprint]. 2026 Jan 28:2026.01.26.701829.

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

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