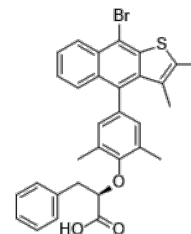


Product Name : Ertiprotafib
Cat. No. : PC-27280
CAS No. : 251303-04-5
Molecular Formula : C₃₁H₂₇BrO₃S
Molecular Weight : 559.52
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

Ertiprotafib is a potent inhibitor of protein tyrosine phosphatase 1B (**PTP1B**) with IC₅₀ of 1.4 uM, also is a potent inhibitor of IκappaB kinase beta (IKK-beta, IKK-β) with IC₅₀ of 400 nM.

Ertiprotafib significantly reduced the plasma FFA level in a rat obesity model.

Ertiprotafib activates peroxisome proliferator-activated receptor (PPAR)α and PPARγ, acts as a insulin sensitizer developed for treatment of type 2 diabetes.

References

Erbe DV, et al. *Mol Pharmacol*. 2005 Jan;67(1):69-77.

Shrestha S, et al. *Bioorg Med Chem Lett*. 2007 May 15;17(10):2728-30.

Liu JZ, et al. *Bioorg Med Chem Lett*. 2013 Dec 1;23(23):6217-22.

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

E-mail: tech@probechem.com