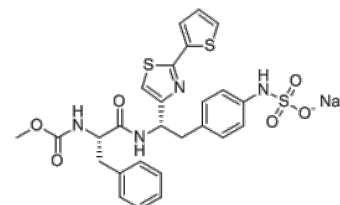


Product Name : Razuprotafib sodium
Cat. No. : PC-60081
CAS No. : 1809275-69-1
Molecular Formula : C₂₆H₂₅N₄NaO₆S₃
Molecular Weight : 608.68
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



1. Goel S, et al. *J Natl Cancer Inst.* 2013 Aug 21;105(16):1188-201.

Biological Activity

AKB-9778 (Razuprotafib) sodium is a potent, selective inhibitor of vascular endothelial protein tyrosine phosphatase (**VE-PTP**, HPTP β) with IC₅₀ of 17 pM.

AKB-9778 shows excellent selectivity for VE-PTP versus a variety of phosphatases, with the exception of HPTP η (IC₅₀=36 pM) and HPTP γ (IC₅₀=100 pM).

AKB-9778 activates TIE2, enhances ANG1-induced TIE2 activation, and stimulates phosphorylation of signaling molecules in the TIE2 pathway, including AKT, eNOS, and ERK.

AKB-9778 blocks VEGF-induced leakage from dermal and retinal vessels and prevents exudative retinal detachments in double-transgenic mice.

References

- Shen J, et al. *J Clin Invest.* 2014 Oct;124(10):4564-76.
- Amarasinghe KK, et al. *Bioorg Med Chem Lett.* 2006 Aug 15;16(16):4252-6.

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

E-mail: tech@probechem.com