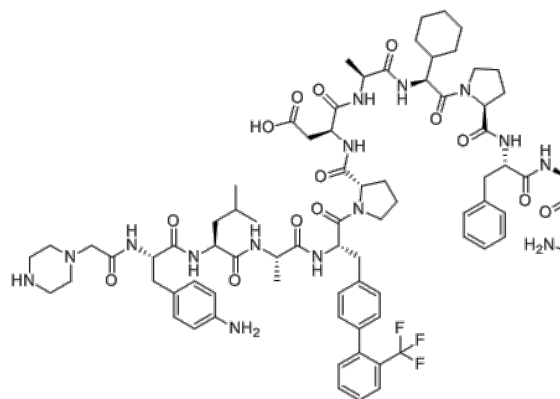


Product Name : Targefrin
Cat. No. : PC-49438
CAS No. : 3031514-44-7
Molecular Formula : C₈₅H₁₁₆F₃N₁₉O₁₅
Molecular Weight : 1700.976
Target : Ephrin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Targefrin is a potent, selective antagonist targeting ligand binding domain of receptor tyrosine kinase EphA2 (**EphA2-LBD**), binds to EphA2-LBD with K_d of 21 nM (ITC) and shows IC₅₀ value of 10.8 nM in biochemical assays. Targefrin displays no significant affinity against the LBDs of EphA3 and EphA4. Targefrin effectively antagonized EphA2 degradation induced by the potent ephrinA1-Fc ligand in BxPC3 pancreatic cancer cells with EC₅₀ of 1.6 μM.

References

Carlo Baggio, et al. Journal of Medicinal Chemistry. November 4, 2022

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

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