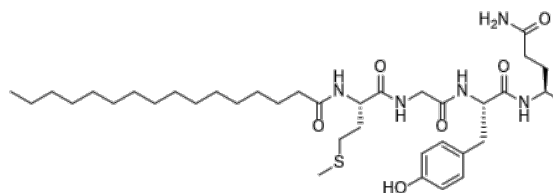


Product Name : ATI-2341 TFA
Cat. No. : PC-28300
CAS No. :
Molecular Formula : $C_{104}H_{178}N_{26}O_{25}S_2 \cdot xC_2HF_3O_2$
Molecular Weight : 2256.82 (free base)
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

ATI-2341 TFA is a potent, selective and allosteric CXCR4 agonist with EC₅₀ of 194 nM.

ATI-2341 induces CXCR4-dependent calcium flux in U87 glioblastoma cells (IC₅₀=140 nM), receptor internalization, and chemotaxis in cell-based assays.

ATI-2341 also displays potent efficacy in the mobilization of PMNs and HSPCs in mice and nonhuman primates.

References

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Janz JM, et al. J Am Chem Soc. 2011 Oct 12;133(40):15878-81.

Quoyer J, et al. Proc Natl Acad Sci U S A. 2013 Dec 24;110(52):E5088-97.

Luo J, et al. Mol Pharmacol. 2017 Jun;91(6):554-566.

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

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