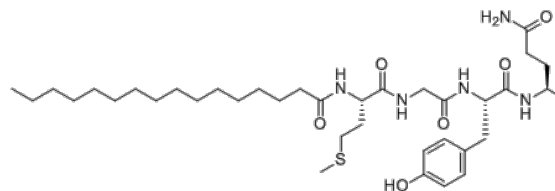


**Product Name** : ATI-2341  
**Cat. No.** : PC-60592  
**CAS No.** : 1337878-62-2  
**Molecular Formula** : C<sub>104</sub>H<sub>178</sub>N<sub>26</sub>O<sub>25</sub>S<sub>2</sub>  
**Molecular Weight** : 2256.82  
**Target** : Chemokine Receptor (CCR and CXCR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

ATI-2341 is a potent, allosteric **CXCR4** agonist with EC<sub>50</sub> of 194 nM.

ATI-2341 induces CXCR4-dependent calcium flux in U87 glioblastoma cells (IC<sub>50</sub>=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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