

Product datasheet

ATI-2341, CXCR4 chemokine receptor agonist ab228571

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Overview

Product name	ATI-2341, CXCR4 chemokine receptor agonist
Description	Allosteric CXCR4 chemokine receptor agonist. Induces chemotaxis.
Biological description	Allosteric, pepducin-based agonist of the CXCR4 receptor. Induces chemotaxis in cells expressing CXCR4. Induces intracellular calcium mobilization in endogenously CXCR4-expressing CCRF-CEM cells (EC ₅₀ = 194; Intrinsic activity = 81%). Induces CXCR4 receptor internalization. Effects of ATI-2341 are G-protein-dependent. In mouse models, ATI-2341 promotes peritoneal recruitment of PMNs following i.p. administration and increases PMNs in the peripheral circulation following i.v administration.
Purity	> 96%
CAS Number	1337878-62-2

Properties

Chemical name	MGYQKKLRSMTDKYRL (Modifications: Met-1 = N-terminal palmitoyl) L-Leucine, N-(1-oxohexadecyl)-L-methionylglycyl-L-tyrosyl-L-glutaminy-L-lysyl-L-lysyl-L-leucyl-L-arginyl-L-seryl-L-methionyl-L-threonyl-L-α-aspartyl-L-lysyl-L-tyrosyl-L-arginyl-
Molecular weight	2256.82
Molecular formula	C ₁₀₄ H ₁₇₈ N ₂₆ O ₂₅ S ₂
Sequence	MGYQKKLRSMTDKYRL (Modifications: Met-1 = N-terminal palmitoyl)
PubChem identifier	101961246
Storage instructions	Shipped at 4°C. Store at -20°C. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 50 mM Soluble in ethanol to 0.9 mM
Source	Synthetic

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