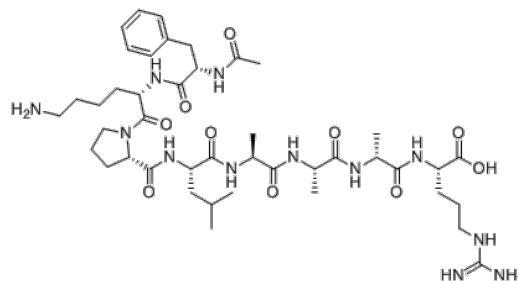


Product Name : BM213
Cat. No. : PC-72000
CAS No. : 2891606-02-1
Molecular Formula : C₄₃H₇₀N₁₂O₁₀
Molecular Weight : 915.09
Target : Complement System
Solubility : 50 mM in H₂O (45.7 mg/mL)



Biological Activity

BM213 (BM-213) is a potent, selective and stable peptide **C5aR1** agonist with EC₅₀ of 59 nM. BM213 displays no C5aR2 activity and over 1000-fold selectivity for C5aR1 over C3aR. BM213 induces C5aR1-mediated calcium mobilization and pERK1/2 signaling but not β -arrestin recruitment. BM213 is functionally similar to C5a in human macrophage cytokine release assays and in a murine in vivo neutrophil mobilization assay. BM213 shows antitumor activity in a mouse model of mammary carcinoma.

References

Declan M Gorman, et al. *J Med Chem.* 2021 Nov 25;64(22):16598-16608.

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

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