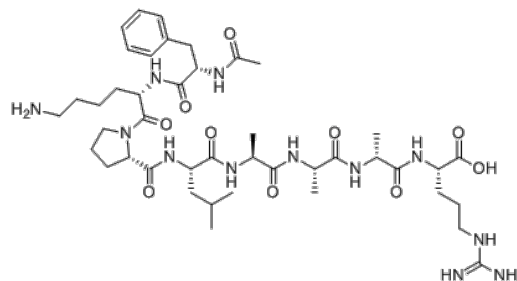


**Product Name** : BM213  
**Cat. No.** : PC-72000  
**CAS No.** : 2891606-02-1  
**Molecular Formula** : C<sub>43</sub>H<sub>70</sub>N<sub>12</sub>O<sub>10</sub>  
**Molecular Weight** : 915.09  
**Target** : Complement System  
**Solubility** : 50 mM in H<sub>2</sub>O (45.7 mg/mL)



## Biological Activity

BM213 (BM-213) is a potent, selective and stable peptide **C5aR1** agonist with EC<sub>50</sub> 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!**

E-mail: tech@probechem.com