

## J5 peptide

Cat. No.:	HY-P3248
CAS No.:	444305-16-2
Molecular Formula:	C <sub>70</sub> H <sub>114</sub> N <sub>18</sub> O <sub>21</sub>
Molecular Weight:	1543.76
Sequence:	Glu-Lys-Pro-Lys-Val-Glu-Ala-Tyr-Lys-Ala-Ala-Ala-Ala-Pro-Ala
Sequence Shortening:	EKPKVEAYKAAAAPA
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

J5 peptide is an MBP inhibitor that competitively inhibits the binding of MBP<sub>85-99</sub> to HLA-DR2. J5 peptide alleviates PLP<sub>139-151</sub>/MBP<sub>85-99</sub>-induced experimental autoimmune encephalomyelitis (EAE) in mice. J5 peptide can be used in research on inflammatory and immune diseases<sup>[1]</sup>.

### REFERENCES

[1]. Smith CE, et al. Differential induction of IgE-mediated anaphylaxis after soluble vs. cell-bound tolerogenic peptide therapy of autoimmune encephalomyelitis. Proc Natl Acad Sci U S A. 2005 Jul 5;102(27):9595-600.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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