

## Peptide R

Cat. No.:	HY-P4111
CAS No.:	1774344-28-3
Molecular Formula:	C <sub>39</sub> H <sub>59</sub> N <sub>13</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight:	902.1
Sequence:	Arg-Ala-Cys-Arg-Phe-Phe-Cys
Sequence Shortening:	RACRFFC
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Peptide R, a cyclic peptide, is a specific CXCR4 antagonist. Peptide R shows outstanding capacities to profoundly remodel the tumor stroma. Peptide R has the potential for tumor research <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	CXCR4

### REFERENCES

- [1]. Giulia Guidotti, et al. Exploring Novel Molecular Targets for the Treatment of High-Grade Astrocytomas Using Peptide Therapeutics: An Overview. Cells. 2020 Feb 20;9(2):490.
- [2]. Vadim Le Joncour, et al. Seek & Destroy, use of targeting peptides for cancer detection and drug delivery. Bioorg Med Chem. 2018 Jun 1;26(10):2797-2806.

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

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