

## LyP-2

Cat. No.:	HY-P4088
CAS No.:	850859-24-4
Molecular Formula:	C <sub>37</sub> H <sub>69</sub> N <sub>17</sub> O <sub>12</sub> S <sub>2</sub>
Molecular Weight:	1008.18
Sequence:	Cys-Asn-Arg-Arg-Thr-Lys-Ala-Gly-Cys
Sequence Shortening:	CNRRTKAGC
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

LyP-2 is a peptide that homes to tumor lymphatics. LyP2 homes to lymphatics of C8161 melanomas and cervical carcinomas and K14-HPV16 skin, but not to MDA-MB435 tumors, showing heterogeneity in the molecular markers of tumor cells and lymphatics<sup>[1]</sup>.

### REFERENCES

[1]. Kebebe D, et al. Tumor-targeting delivery of herb-based drugs with cell-penetrating/tumor-targeting peptide-modified nanocarriers. *Int J Nanomedicine*. 2018 Mar 9;13:1425-1442.

[2]. Laakkonen P, et al. Peptide targeting of tumor lymph vessels. *Ann N Y Acad Sci*. 2008;1131:37-43.

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

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