

Cartilostatin 1

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| Cat. No.: | HY-P4000 |
| CAS No.: | 929555-05-5 |
| Molecular Formula: | $C_{86}H_{142}N_{30}O_{29}S_2$ |
| Molecular Weight: | 2124.36 |
| Sequence Shortening: | SPWSKCSAACGQTGVQTRTR |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

| Description | Cartilostatin 1 is an anti-angiogenic peptide. Cartilostatin 1 can be used for the research of anti-angiogenic ^[1] . |
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| In Vitro | Cartilostatin 1 (0 - 40 µg/mL) inhibits the proliferation and migration of human umbilical vein endothelial cells in vitro ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| | Cell Migration Assay ^[1] |
| | Cell Line: Endothelial cells |
| | Concentration: 30 µg/mL |
| | Incubation Time: 20 h |
| | Result: Inhibited the migration of HUVECs in the presence of VEGF. |
| | Cell Proliferation Assay ^[1] |
| | Cell Line: Endothelial cells |
| | Concentration: 0 - 40 µg/mL |
| | Incubation Time: 3 days |
| Result: Inhibited the proliferation of HUVECs in vitro. | |

REFERENCES

[1]. Emmanouil D Karagiannis, et al. Anti-angiogenic peptides identified in thrombospondin type I domains. *Biochem Biophys Res Commun.* 2007 Jul 20;359(1):63-9.

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

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