

Semastatin 5A.2

Cat. No.:	HY-P4016
CAS No.:	929555-16-8
Molecular Formula:	$C_{87}H_{135}N_{29}O_{26}S_3$
Molecular Weight:	2099.38
Sequence Shortening:	SPWTKCSATCGGGHYMRTR
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Semastatin 5A.2 is an anti-angiogenic 19-amino acid peptides that are derived from proteins containing type I thrombospondin motifs ^[1] .									
In Vitro	<p>Semastatin 5A.2 (0.01-40 µg/mL; 3 days) inhibits the proliferation and migration of human umbilical vein endothelial cells in vitro^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay^[1]</p> <table> <tr> <td>Cell Line:</td> <td>Human umbilical vein endothelial cells (HUVECs)</td> </tr> <tr> <td>Concentration:</td> <td>0.01 µg/mL, 0.1 µg/mL, 1 µg/mL, 10 µg/mL, 20 µg/mL, 30 µg/mL, 40 µg/mL</td> </tr> <tr> <td>Incubation Time:</td> <td>3 days</td> </tr> <tr> <td>Result:</td> <td>Inhibited the proliferation of HUVECs in vitro.</td> </tr> </table>		Cell Line:	Human umbilical vein endothelial cells (HUVECs)	Concentration:	0.01 µg/mL, 0.1 µg/mL, 1 µg/mL, 10 µg/mL, 20 µg/mL, 30 µg/mL, 40 µg/mL	Incubation Time:	3 days	Result:	Inhibited the proliferation of HUVECs in vitro.
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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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