

Semastatin 5A.1

Cat. No.:	HY-P4017
CAS No.:	929555-15-7
Molecular Formula:	$C_{85}H_{140}N_{34}O_{25}S_2$
Molecular Weight:	2102.36
Sequence Shortening:	GPWERTAQCGGGIQARRR
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Semastatin 5A.1 is an anti-angiogenic 19-amino acid peptides that are derived from proteins containing type I thrombospondin motifs ^[1] .	
In Vitro	Semastatin 5A.1 (0.01-40 µg/mL; 3 days) 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 Proliferation Assay ^[1]	
	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.

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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