

Obtustatin

Cat. No.:	HY-P1408
CAS No.:	404882-00-4
Molecular Formula:	C ₁₈₄ H ₂₈₄ N ₅₂ O ₅₇ S ₈
Molecular Weight:	4393
Sequence:	Cys-Thr-Thr-Gly-Pro-Cys-Cys-Arg-Gln-Cys-Lys-Leu-Lys-Pro-Ala-Gly-Thr-Thr-Cys-Trp-Lys-Thr-Ser-Leu-Thr-Ser-His-Tyr-Cys-Thr-Gly-Lys-Ser-Cys-Asp-Cys-Pro-Leu-Tyr-Pro-Gly (Disulfide bridge: Cys1-Cys10, Cys6-Cys29, Cys7-Cys34, Cys19-Cys36)
Sequence Shortening:	CTTGPCCRQCKLKPAGTTCWKTSLTSHYCTGKSCDCPLYPG (Disulfide bridge: Cys1-Cys10, Cys6-Cys29, Cys7-Cys34, Cys19-Cys36)
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description

Obtustatin is a non-RGD disintegrin of 41 residues. Obtustatin can be isolated from *Vipera lebetina obtusa* venom. Obtustatin is a potent and selective inhibitor of the adhesion of integrin $\alpha 1\beta 1$ to collagen IV. Obtustatin inhibits angiogenesis, and can be used for research of cancer^{[1][2]}.

REFERENCES

- [1]. Paz Moreno-Murciano M, et al. NMR solution structure of the non-RGD disintegrin obtustatin. *J Mol Biol.* 2003 May 23;329(1):135-45.
- [2]. Marcinkiewicz C, et al. Obtustatin: a potent selective inhibitor of $\alpha 1\beta 1$ integrin in vitro and angiogenesis in vivo. *Cancer Res.* 2003 May 1;63(9):2020-3.

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

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