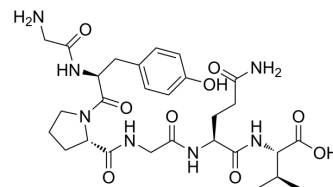


PAR 4 (1-6) (human)

Cat. No.:	HY-P1313
CAS No.:	225779-44-2
Molecular Formula:	C ₂₈ H ₄₁ N ₇ O ₉
Molecular Weight:	619.67
Sequence:	Gly-Tyr-Pro-Gly-Gln-Val
Sequence Shortening:	GYPGQV
Target:	Protease Activated Receptor (PAR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PAR 4 (1-6) human, a hexapeptide, is a fragment of protease-activated receptor 4 (PAR ₄). PAR 4 (1-6) TFA acts as a PAR ₄ -specific agonist ^[1] .
In Vitro	PAR 4 (1-6) (GYPGQV) stimulates [³ H]-thymidine incorporation in SMC. At 500 μM, the peptide increases DNA synthesis 2.5 fold above controls. A comparable mitogenic effect is obtained after stimulation of the SMC by 10 nM thrombin or 100 μM SFLLRN, respectively ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. H Andersen, et al. Protease-activated receptor 1 is the primary mediator of thrombin-stimulated platelet procoagulant activity. Proc Natl Acad Sci U S A. 1999 Sep 28;96(20):11189-93.
- [2]. E Bretschneider, et al. Evidence for functionally active protease-activated receptor-4 (PAR-4) in human vascular smooth muscle cells. Br J Pharmacol. 2001 Apr;132(7):1441-6.

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

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