PRODUCT INFORMATION

PAR4 (1-6) amide (human) (trifluoroacetate salt)

Item No. 27127

Formal Name: glycyl-L-tyrosyl-L-prolylglycyl-L-glutaminyl-L-valinamide, trifluoroacetate salt
Synonyms: GQV-NH_2, GYPGQV-NH_2, H-Gly-Tyr-Pro-Gly-Gln-Val-NH_2
MF: $C_{28}H_{42}N_8O_8 \bullet XCF_3COOH$
FW: 618.7
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years

H—Gly—Tyr—Pro—Gly—Gln—Val—NH_2
• XCF_3COOH

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

PAR4 (1-6) amide (human) (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the PAR4 (1-6) amide (human) (trifluoroacetate salt) in water. The solubility of PAR4 (1-6) amide (human) (trifluoroacetate salt) in water is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

PAR4 (1-6) amide is a synthetic peptide agonist of proteinase-activated receptor 4 (PAR4) that corresponds to residues 1-6 of the amino terminal tethered ligand sequence of human PAR4 and residues 48-53 of the full-length sequence.[1] It induces contractions in isolated rat gastric longitudinal muscle tissue and endothelium-dependent relaxation of precontracted rat aortic rings (EC_{50}s = 300-400 µM).

References

1. Hollenberg, M.D., Saifeddine, M., Al-Ani, B., *et al*. Proteinase-activated receptor 4 (PAR4): Action of PAR4-activating peptides in vascular and gastric tissue and lack of cross-reactivity with PAR1 and PAR2. *Can. J. Physiol. Pharmacol.* **77(6)**, 458-464 (1999).

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