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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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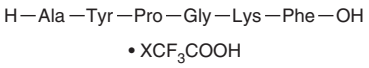
PRODUCT INFORMATION

(Ala1)-PAR4 (1-6) (mouse) (trifluoroacetate salt)

Item No. 27132

Formal Name: L-alanyl-L-tyrosyl-L-prolylglycyl-L-lysyl-L-phenylalanine, trifluoroacetate salt
Synonyms: H-Ala-Tyr-Pro-Gly-Lys-Phe-OH, AYPGKF
MF: $C_{34}H_{47}N_7O_8 \bullet XCF_3COOH$
FW: 681.8
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

(Ala1)-PAR4 (1-6) (mouse) (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the (Ala1)-PAR4 (1-6) (mouse) (trifluoroacetate salt) in water. The solubility of (Ala1)-PAR4 (1-6) (mouse) (trifluoroacetate salt) in water is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

(Ala1)-PAR4 (1-6) 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 mouse PAR4 and residues 60-65 of the full-length sequence with an alanine residue substituted for glycine at position 1/60.[1] It is 10-fold more potent than PAR4 (1-6) (Item No. 27131), triggering [^{3}H]inositol phosphate release from KOLF cells expressing human PAR4 at levels comparable to 30 nM thrombin (Item No. 13188) when used at a concentration of 500 µM. (Ala1)-PAR4 (1-6) induces aggregation of human platelets.[2]

References

1. Faruqi, T.R., Weiss, E.J., Shapiro, M.J., *et al*. Structure-function analysis of protease-activated receptor 4 tethered ligand peptides. *J. Biol. Chem*. **275(26),** 19728-19734 (2000).
2. Lidington, E.A., Steinberg, R., Kinderlerer, A.R., *et al*. A role for proteinase-activated receptor 2 and PKC-ε in thrombin-mediated induction of decay-accelerating factor on human endothelial cells. *Am. J. Physiol. Cell Physiol.* **289(6)**, 1437-1447 (2005).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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