

Ala-parafluoroPhe-Arg-Cha-Cit-Tyr-NH2

Cat. No.:	HY-P5372
CAS No.:	211190-38-4
Molecular Formula:	C ₄₂ H ₆₃ FN ₁₂ O ₈
Molecular Weight:	883.02
Sequence:	Ala-{Phe(p-Fluoro)}-Arg-{Cha}-{Cit}-Tyr-NH2
Sequence Shortening:	A-{Phe(p-Fluoro)}-R-{Cha}-{Cit}-Y-NH2
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

Ala-parafluoroPhe-Arg-Cha-Cit-Tyr-NH2 is a biological active peptide. (Protease activated receptor 1 (PAR-1) belongs to a subfamily of G-protein coupled receptors and is known to mediate the cellular effects of thrombin. This peptide is a PAR-1 selective agonist displaying a high level of specificity to PAR-1 over PAR-2. The specificity of peptide was evaluated in cell-based calcium signaling assay using HEK293 cells. PAR-1 selective agonists can be used to study PAR-1 activation in vivo. In addition to its varied cellular effects of thrombin, PAR-1 has also been shown to coordinate with PAR-4 and regulate thrombin-induced hepatocellular carcinoma harboring thrombin formation within the tumor environment classified as 'coagulation type'.)

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

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