

Product Data Sheet

Product Name: Protease-Activated Receptor-4

Cat. No.: GC33429

Chemical Properties

Cas. No. 245443-52-1

SMILES Gly-Tyr-Pro-Gly-Lys-Phe-NH₂

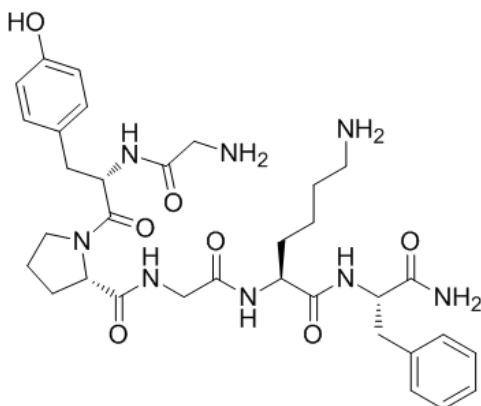
Formula C₃₃H₄₆N₈O₇ M.Wt 666.77

Solubility Water : 50 mg/mL (74.99 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Protease-Activated Receptor-4 is the agonist of proteinase-activated receptor-4 (PAR4).

GYPGKF-NH₂ significantly reduces the agonistic potency of AYPGKF-NH₂ by 25-fold[1]. GYPGKF-NH₂ (500 µM) does not cause contraction or relaxation of the guinea pig IAS strips[2].

[1]. Moschonas IC, et al. Molecular requirements involving the human platelet protease-activated receptor-4 mechanism of activation by peptide analogues of its tethered-ligand. Platelets. 2017 Mar

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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7:1-10. doi: 10.1080/09537104.2017.1282607. [Epub ahead of print] [2]. Huang SC, et al. Proteinase-activated receptor-1 (PAR1) and PAR2 mediate relaxation of guinea pig internal anal sphincter. Regul Pept. 2014 Feb 10;189:46-50.

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