

Product Data Sheet

Product Name: PAR2 (1-6) amide (human) (scrambled) (trifluoroacetate salt)

Cat. No.: GC45540

Chemical Properties

Cas. No.

SMILES O=C(O)C(F)(F)F.NC([C@H](C(C)C)NC([C@H](CCCCN)NC(CNC([C@@]([C@H](CC)C)([H])NC([C@H](CO)NC([C@H](CC(C)C)N[H])=O)=O)=O)=O)=O)=O

Formula C₂₈H₅₄N₈O₇.XCF₃COOH M.Wt 614.8

Solubility Water: soluble Storage Store at -20°C

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

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

Structure H—Leu—Ser—Ile—Gly—Lys—Val—NH₂
 • XCF₃COOH

Background

PAR2 (1-6) amide (human) (scrambled) is a synthetic peptide that corresponds to residues 1-6 of the amino terminal tethered ligand of human PAR2 sequence with the amino acids at positions 1 and 2 reversed. It has been used as a negative control for the proteinase-activated receptor 2 (PAR2) agonist PAR2 (1-6) (human) in various cellular assays.^{1,2}

References

1. Miyata, S., Koshikawa, N., Yasumitsi, H., et al. Trypsin stimulates integrin α5β1-dependent adhesion to fibronectin and proliferation of human gastric carcinoma cells through activation of proteinase-activated receptor-2. J. Biol. Chem. 275(7), 4592-4598 (2000).
2. Miike, S., McWilliam, A.S., and Kita, H. Trypsin induces activation and inflammatory mediator release from human eosinophils through protease-activated receptor-2. J. Immunol. 167(11), 6615-6622 (2001).

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