

Product Data Sheet

Product Name: PAR4 (1-6) amide (mouse) (trifluoroacetate salt)

Cat. No.: GC40157

Chemical Properties

Cas. No.

SMILES O=C(O)C(F)(F)F.NC([C@@H])(NC([C@H](CCCCN)NC(CNC([C@@H]1CCCN1C([C@@H](NC(CN[H])=O)CC2=CC=C(O)C=C2)=O)=O)=O)CC3=CC=CC=C3)=O

Formula C33H46N8O7 • XCF₃COOH M.Wt 666.8

Solubility Water: 1 mg/ml Storage Store at -20°C

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

Structure H—Gly—Tyr—Pro—Gly—Lys—Phe—NH₂
 • XCF₃COOH

Background

PAR4 (1-6) amide is a synthetic peptide agonist of proteinase-activated receptor 4 (PAR4) and an amide form of PAR4 (1-6) 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. It induces aggregation of rat platelets with an EC₅₀ value of 40 μM. PAR4 (1-6) amide (100 μM) induces smooth muscle relaxation and prostaglandin E₂ release in isolated mouse tracheal segments, effects that are inhibited by indomethacin.

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

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