

## Product Data Sheet

Product Name: PAR3 (1-6) (human)

Cat. No.: GC44558

### Chemical Properties

Cas. No. 320347-28-2

SMILES [H]N[C@]([C@@H](C)O)([H])C(N[C@H](C(N[C@@H](CCCNC(N)=N)C(NCC(N[C@H](C(N1CCC[C@H]1C(O)=O)=O)C)=O)=O)CC2=CC=CC=C2)=O

Formula C<sub>29</sub>H<sub>45</sub>N<sub>9</sub>O<sub>8</sub> M.Wt 647.7

Solubility DMF: 50 mg/ml, DMSO: 50 mg/ml, Ethanol: 50 mg/ml, PBS (pH 7.2): 10 mg/ml  
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 H—Thr—Phe—Arg—Gly—Ala—Pro—OH

### Background

PAR3 (1-6) is a synthetic peptide agonist of proteinase-activated receptor 1 (PAR1) that corresponds to residues 1-6 of the amino terminal tethered ligand sequence of human PAR3 and residues 39-44 of the full-length human sequence. PAR3 (1-6) activates p42/44 MAPK signaling in fibroblasts expressing PAR1, but not PAR3, an effect that can be blocked by the PAR1 antagonist RWJ 56110.

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

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