

## PAR2 (1-6) (mouse, rat)

## Chemical Properties

CAS No. : 164081-25-8

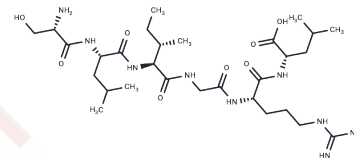
Formula: C<sub>29</sub>H<sub>55</sub>N<sub>9</sub>O<sub>8</sub>

Molecular Weight: 657.814

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

## Description

PAR2 (1-6) is a synthetic peptide agonist of proteinase-activated receptor 2 (PAR2) that corresponds to residues 1-6 of the amino terminal tethered ligand sequence of mouse and rat PAR2. It also corresponds to residues 39-44 and 37-42 of the mouse and rat full-length sequences, respectively. PAR2 (1-6) induces relaxation in precontracted rat arteries in a concentration-dependent manner, an effect that can be reduced by the nitric oxide synthase inhibitor L-NNA. It inhibits keratinocyte growth in the presence and absence of growth factors. PAR2 (1-6) inhibits LPS-induced pulmonary neutrophil influx and increases in matrix metalloproteinase-2 (MMP-2) activity in mice.

## Solubility Information

## Solubility

DMF: 50 mg/mL (76.01 mM), Sonication is recommended.  
 PBS (pH 7.2): 10 mg/mL (15.2 mM), Sonication is recommended.  
 Ethanol: 50 mg/mL (76.01 mM), Sonication is recommended.  
 DMSO: 50 mg/mL (76.01 mM), Sonication is recommended.  
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5202 mL	7.601 mL	15.202 mL
5 mM	0.304 mL	1.5202 mL	3.0404 mL
10 mM	0.152 mL	0.7601 mL	1.5202 mL
50 mM	0.0304 mL	0.152 mL	0.304 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481