

## PAR-2 Activating Peptide acetate

### Chemical Properties

CAS No. :

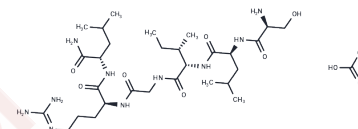
Formula: C31H60N10O9

Molecular Weight: 716.88

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	PAR-2 Activating Peptide acetate (SLIGRL-NH2 acetate) is an agonist of Protease-Activated Receptor-2 (PAR-2).
Targets(IC50)	Protease-activated Receptor
In vitro	Protease-Activated Receptor-2 Activating Peptide (SLIGRL-NH2) is an agonist of PAR-2 and MrgprC11[1]. Protease-Activated Receptor-2 Activating Peptide (SLIGRL-NH2) causes an L-NAME-inhibited relaxation. Based on SLIGRL-NH2 causing a concentration-dependent relaxation with an EC50 of 10 $\mu$ M in endothelium-free preparations in the presence of perivascular adipose tissue (PVAT) , 20 $\mu$ M is used as a suitable 'test' concentration of peptide in subsequent experiments designed to evaluate the effects of potential inhibitors of ADRF release/action. In the endothelium-free aorta preparations, SLIGRL-NH2 causes a concentration-dependent relaxation in preparations only in the presence of PVAT [+PVAT, -ENDO (endothelium)][2].

### Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

### Preparing Stock Solutions

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.3949 mL	6.9747 mL	13.9493 mL
5 mM	0.279 mL	1.3949 mL	2.7899 mL
10 mM	0.1395 mL	0.6975 mL	1.3949 mL
50 mM	0.0279 mL	0.1395 mL	0.279 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.

### Reference

Akiyama T, et al. Behavioral model of itch, allodynia, pain and allodynia in the lower hindlimb and correlativeresponses of lumbar dorsal horn neurons in the mouse. Neuroscience. 2014 Apr 25;266:38-46.

**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