

## Thrombin Receptor Agonist Peptide (trifluoroacetate salt)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Thrombin receptor agonist peptide (TRAP-14) is a 14-amino acid peptide agonist of the $\alpha$ -thrombin receptor. It induces aggregation of washed platelets as well as platelets in citrated and hirudin plasma. TRAP-14 (100 $\mu$ M) increases the cytosolic calcium concentration in isolated guinea pig pulmonary smooth muscle cells 5-fold over baseline. It increases pulmonary arterial pressure in isolated guinea pig lung when used at a concentration of 1 $\mu$ M, which is comparable to the effect induced by 10 nM $\alpha$ -thrombin. TRAP-14 also induces contraction of isolated rat aortic rings and increases endothelin-1 (ET-1) levels in a dose-dependent manner, an effect that is reversed by the ETA antagonist BQ-123 and the nitric oxide synthase (NOS) inhibitor L-NNA .
Targets(IC50)	Others

## Solubility Information

Solubility	H2O: 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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