

Protease-Activated Receptor-1, PAR-1 Agonist acetate

Chemical Properties

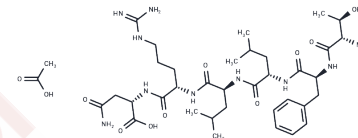
CAS No. :

Formula: C37H62N10O11

Molecular Weight: 822.95

Storage: Keep away from moisture
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	Protease-Activated Receptor-1, PAR-1 Agonist acetate is a selective proteinase-activated receptor1 (PAR-1) agonist peptide. Protease-Activated Receptor-1, PAR-1 Agonist acetate corresponds to PAR1 tethered ligand and which can selectively mimic the actions of thrombin via this receptor[1][2].
Targets(IC50)	Protease-activated Receptor
In vitro	Protease-Activated Receptor-1, PAR-1 Agonist acetate induces activation of protein kinase C isoenzymes alpha and epsilon in human HT-29 colon carcinoma cells expressing PAR1 endogeneously. On the cellular level, Protease-Activated Receptor-1, PAR-1 Agonist acetate and thrombin prompted HT-29 cell migration and matrix adhesion by a PKCepsilon-dependent mechanism as concluded because of the inhibition of PAR1-mediated effects by the PKC inhibitor bisindolylmaleimide I and the PKCepsilon translocation inhibitory peptide EAVSLKPT but not by the PKC inhibitor G? 6976[2].

Solubility Information

Solubility	H2O: 20 mg/mL (24.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2151 mL	6.0757 mL	12.1514 mL
5 mM	0.243 mL	1.2151 mL	2.4303 mL
10 mM	0.1215 mL	0.6076 mL	1.2151 mL
50 mM	0.0243 mL	0.1215 mL	0.243 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

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