

P8RI acetate

Chemical Properties

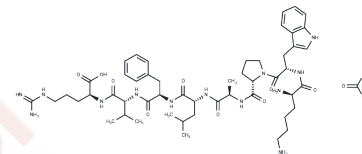
CAS No. :

Formula: C53H81N13O11

Molecular Weight: 1076.29

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	P8RI acetate is a biomimetic peptide of CD31 and an agonist of CDP8RI acetate shows an immunosuppressive effect through the restoration of the CD31 inhibitory pathway.
Targets(IC50)	Integrin
In vitro	P8RI acetate maintains bioactivity and confers resistance toward plasma proteases[2].
In vivo	In Apo E -/- mice (male, 28-week-old) implanted with Ang II-releasing pumps (a model of experimental acute aortic dissection and intramural hematoma (ADIM)), P8RI acetate (2.5 mg/kg; s.c.) prevents aneurysmal transformation by promoting the resolution of intramural hematoma and the production of collagen in dissected aortas[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9291 mL	4.6456 mL	9.2912 mL
5 mM	0.1858 mL	0.9291 mL	1.8582 mL
10 mM	0.0929 mL	0.4646 mL	0.9291 mL
50 mM	0.0186 mL	0.0929 mL	0.1858 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

Sannier A, et al. A CD31-Derived Peptide Prevents the Development of Antibody-Mediated Lesions in a Rat Model of Aortic Allograft. *Transplant Proc.* 2021;53(2):746-749.

Diaz-Rodriguez S, et al. Coronary stent CD31-mimetic coating favours endothelialization and reduces local inflammation and neointimal development in vivo. *Eur Heart J.* 2021;42(18):1760-1769.

Andreato F, et al. Macrophage CD31 Signaling in Dissecting Aortic Aneurysm. *J Am Coll Cardiol.* 2018;72(1):45-57.

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