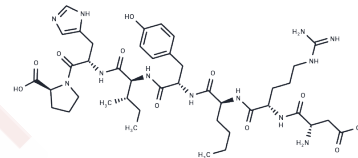


Aclerastide

Chemical Properties

CAS No. :	227803-63-6
Formula:	C42H64N12O11
Molecular Weight:	913.03
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Aclerastide is an angiotensin receptor agonist. Administration of Aclerastide reduced fibrosis and scarring in the healing wounds. This action was more pronounced with longer administration of the peptide after injury. The action of this peptide was blocked by the AT receptor antagonist d-Ala7-angiotensin(1-7), which suggests that this receptor is involved in the healing responses to exogenous Aclerastide.
Targets(IC50)	RAAS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0953 mL	5.4763 mL	10.9525 mL
5 mM	0.2191 mL	1.0953 mL	2.1905 mL
10 mM	0.1095 mL	0.5476 mL	1.0953 mL
50 mM	0.0219 mL	0.1095 mL	0.2191 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

Abdallah WF, Louie SG, Zhang Y, Rodgers KE, Sivok E, S diZerega G, Humayun MS. NorLeu3A(1-7) Accelerates Clear Corneal Full Thickness Wound Healing. *Invest Ophthalmol Vis Sci*. 2016 Apr 1;57(4):2187-94. doi: 10.1167/iov.15-18515. PubMed PMID: 27116546.

Singh N, Joshi S, Guo L, Baker MB, Li Y, Castellano RK, Raizada MK, Jarajapu YP. ACE2/Ang-(1-7)/Mas axis stimulates vascular repair-relevant functions of CD34+ cells. *Am J Physiol Heart Circ Physiol*. 2015 Nov 15;309(10):H1697-707. doi: 10.1152/ajpheart.00854.2014. Epub 2015 Sep 18. PubMed PMID: 26386115; PubMed Central PMCID: PMC4666983.

Rodgers KE, Bolton LL, Verco S, diZerega GS. NorLeu(3)-Angiotensin (1-7) [DSC127] as a Therapy for the Healing of Diabetic Foot Ulcers. *Adv Wound Care (New Rochelle)*. 2015 Jun 1;4(6):339-345. Review. PubMed PMID: 26029484; PubMed Central PMCID: PMC4440979.

Balingit PP, Armstrong DG, Reyzelman AM, Bolton L, Verco SJ, Rodgers KE, Nigh KA, diZerega GS. NorLeu3-A(1-7) stimulation of diabetic foot ulcer healing: results of a randomized, parallel-group, double-blind, placebo-controlled phase 2 clinical trial. *Wound Repair Regen*. 2012 Jul-Aug;20(4):482-90. doi: 10.1111/j.1524-475X.2012.00804.x. Epub 2012 Jun 7. PubMed PMID: 22672145.

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