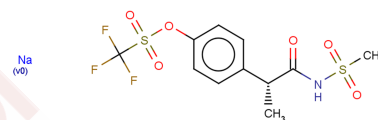


Ladarixin Sodium

Chemical Properties

CAS No. :	865625-56-5
Formula:	C ₁₁ H ₁₂ F ₃ NNaO ₆ S ₂
Molecular Weight:	398.32
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	Ladarixin Sodium, an Chemokine CXCR antagonist, is used potentially for the treatment of type I diabetes.
Targets(IC50)	Others,CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5105 mL	12.5527 mL	25.1054 mL
5 mM	0.5021 mL	2.5105 mL	5.0211 mL
10 mM	0.2511 mL	1.2553 mL	2.5105 mL
50 mM	0.0502 mL	0.2511 mL	0.5021 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

- Citro A, Valle A, Cantarelli E, Mercalli A, Pellegrini S, Liberati D, Daffonchio L, Kastsiuchenka O, Ruffini PA, Battaglia M, Allegretti M, Piemonti L. CXCR1/2 inhibition blocks and reverses type 1 diabetes in mice. *Diabetes*. 2015 Apr;64(4):1329-40. doi: 10.2337/db14-0443. Epub 2014 Oct 14. PubMed PMID: 25315007.
- Kemp DM, Pidich A, Larijani M, Jonas R, Lash E, Sato T, Terai M, De Pizzol M, Allegretti M, Igoucheva O, Alexeev V. Ladarixin, a dual CXCR1/2 inhibitor, attenuates experimental melanomas harboring different molecular defects by affecting malignant cells and tumor microenvironment. *Oncotarget*. 2017 Jan 24. doi: 10.18632/oncotarget.14803. [Epub ahead of print] PubMed PMID: 28129639.
- Carreira EU, Carregaro V, Teixeira MM, Moriconi A, Aramini A, Verri WA Jr, Ferreira SH, Cunha FQ, Cunha TM. Neutrophils recruited by CXCR1/2 signalling mediate post-incisional pain. *Eur J Pain*. 2013 May;17(5):654-63. doi: 10.1002/j.1532-2149.2012.00240.x. Epub 2012 Nov 7. PubMed PMID: 23132735.

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