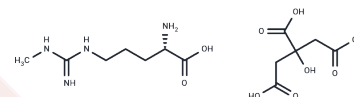


Tilarginine citrate

Chemical Properties

CAS No. :	209913-88-2
Formula:	C13H24N4O9
Molecular Weight:	380.354
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	Tilarginine citrate is a competitive nitric oxide synthetase inhibitor.
Targets(IC50)	Others,Endogenous Metabolite,NO Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6292 mL	13.1458 mL	26.2916 mL
5 mM	0.5258 mL	2.6292 mL	5.2583 mL
10 mM	0.2629 mL	1.3146 mL	2.6292 mL
50 mM	0.0526 mL	0.2629 mL	0.5258 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

- Ricciardolo FL, Rado V, Fabbri LM, Sterk PJ, Di Maria GU, Geppetti P. Bronchoconstriction induced by citric acid inhalation in guinea pigs: role of tachykinins, bradykinin, and nitric oxide. *Am J Respir Crit Care Med.* 1999 Feb;159(2):557-62. PubMed PMID: 9927373.
- Kimura M, Higashi Y, Hara K, Noma K, Sasaki S, Nakagawa K, Goto C, Oshima T, Yoshizumi M, Chayama K. PDE5 inhibitor sildenafil citrate augments endothelium-dependent vasodilation in smokers. *Hypertension.* 2003 May;41(5):1106-10. Epub 2003 Apr 14. PubMed PMID: 12695418.
- Kaluski E, Uriel N, Milo-Cotter O, Klapholz M. Nitric oxide synthase inhibitors in cardiogenic shock: present and future. *Future Cardiol.* 2008 Mar;4(2):183-9. doi: 10.2217/14796678.4.2.183. PubMed PMID: 19804295.
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