

L-97-1

Chemical Properties

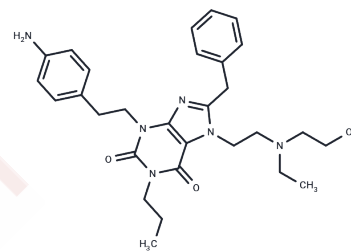
CAS No. : 770703-20-3

Formula: C₂₉H₃₈N₆O₃

Molecular Weight: 518.65

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	L-97-1 is an antagonist of the adenosine A1 receptor.
Targets(IC50)	Others, Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9281 mL	9.6404 mL	19.2808 mL
5 mM	0.3856 mL	1.9281 mL	3.8562 mL
10 mM	0.1928 mL	0.964 mL	1.9281 mL
50 mM	0.0386 mL	0.1928 mL	0.3856 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

Wilson CN, Vance CO, Lechner MG, Matuschak GM, Lechner AJ. Adenosine A1 receptor antagonist, L-97-1, improves survival and protects the kidney in a rat model of cecal ligation and puncture induced sepsis. *Eur J Pharmacol.* 2014 Oct 5;740:346-52. doi: 10.1016/j.ejphar.2014.07.012. Epub 2014 Jul 18. PubMed PMID: 25041842; PubMed Central PMCID: PMC4147868.

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Cullen L, Parsonage WA, Greenslade J, Lamanna A, Hammett CJ, Than M, Tate J, Kalinowski L, Ungerer JP, Chu K, Brown A. Delta troponin for the early diagnosis of AMI in emergency patients with chest pain. *Int J Cardiol.* 2013 Oct 3;168(3):2602-8. doi: 10.1016/j.ijcard.2013.03.044. Epub 2013 Apr 10. PubMed PMID: 23582689.

Wilson CN, Vance CO, Doyle TM, Brink DS, Matuschak GM, Lechner AJ. A novel post-exposure medical countermeasure L-97-1 improves survival and acute lung injury following intratracheal infection with *Yersinia pestis*. *Innate Immun.* 2012 Jun;18(3):373-89. doi: 10.1177/1753425911411595. Epub 2011 Aug 23. PubMed PMID: 21862597; PubMed Central PMCID: PMC3362682.

Rehman S, Lloyd-Jones DM, Martinez-Rumayor A, Januzzi JL. Inflammatory markers, amino-terminal pro-brain natriuretic peptide, and mortality risk in dyspneic patients. *Am J Clin Pathol.* 2008 Aug;130(2):305-11. doi: 10.1309/L7BP57F7UF7YNYKX. PubMed PMID: 18628102.

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