

546C88

Chemical Properties

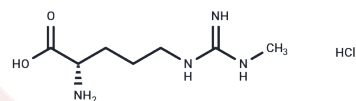
CAS No. : 156706-47-7

Formula: C₇H₁₇ClN₄O₂

Molecular Weight: 224.69

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	546C88 is an inhibitor of nitric oxide synthase.
Targets(IC50)	Others,Endogenous Metabolite,NO Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4506 mL	22.2529 mL	44.5058 mL
5 mM	0.8901 mL	4.4506 mL	8.9012 mL
10 mM	0.4451 mL	2.2253 mL	4.4506 mL
50 mM	0.089 mL	0.4451 mL	0.8901 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

- Schwartz S, Clare R, Devereux K, Sheung CF. Pharmacokinetics, disposition and metabolism of 546C88 (L-NG-methylarginine hydrochloride) in rat and dog. *Xenobiotica*. 1997 Dec;27(12):1259-71. PubMed PMID: 9460231.
- Cooper JD, Shearsby N, Sheung CT. Use of the ASTED system to determine L-NG-monomethylarginine (546C88) in human plasma by pre-column o-phthalaldehyde derivatisation and high-performance liquid chromatography. *J Chromatogr B Biomed Sci Appl*. 1997 Aug 15;696(1):117-22. PubMed PMID: 9300915.
- López A, Lorente JA, Steingrub J, Bakker J, McLuckie A, Willatts S, Brockway M, Anzueto A, Holzapfel L, Breen D, Silverman MS, Takala J, Donaldson J, Arneson C, Grove G, Grossman S, Grover R. Multiple-center, randomized, placebo-controlled, double-blind study of the nitric oxide synthase inhibitor 546C88: effect on survival in patients with septic shock. *Crit Care Med*. 2004 Jan;32(1):21-30. PubMed PMID: 14707556.
- Watson D, Grover R, Anzueto A, Lorente J, Smithies M, Bellomo R, Guntupalli K, Grossman S, Donaldson J, Le Gall JR; Glaxo Wellcome International Septic Shock Study Group. Cardiovascular effects of the nitric oxide synthase inhibitor NG-methyl-L-arginine hydrochloride (546C88) in patients with septic shock: results of a randomized, double-blind, placebo-controlled multicenter study (study no. 144-002). *Crit Care Med*. 2004 Jan;32(1):13-20. PubMed PMID: 14707555.

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