

E5700

## Chemical Properties

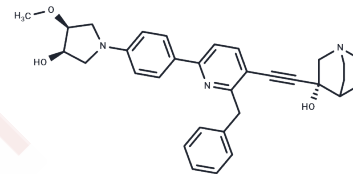
CAS No. : 750597-23-0

Formula: C<sub>32</sub>H<sub>35</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 509.64

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	E5700 is a novel squalene synthase inhibitor with oral activity.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9622 mL	9.8108 mL	19.6217 mL
5 mM	0.3924 mL	1.9622 mL	3.9243 mL
10 mM	0.1962 mL	0.9811 mL	1.9622 mL
50 mM	0.0392 mL	0.1962 mL	0.3924 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

Ishida K, Visbal G, Rodrigues JC, Urbina JA, de Souza W, Rozental S. Two squalene synthase inhibitors, E5700 and ER-119884, interfere with cellular proliferation and induce ultrastructural and lipid profile alterations in a *Candida tropicalis* strain resistant to fluconazole, itraconazole, and amphotericin B. *J Infect Chemother.* 2011 Aug;17(4):563-70. doi: 10.1007/s10156-010-0190-1. PubMed PMID: 21264486.

Fernandes Rodrigues JC, Concepcion JL, Rodrigues C, Caldera A, Urbina JA, de Souza W. In vitro activities of ER-119884 and E5700, two potent squalene synthase inhibitors, against *Leishmania amazonensis*: antiproliferative, biochemical, and ultrastructural effects. *Antimicrob Agents Chemother.* 2008 Nov;52(11):4098-114. doi: 10.1128/AAC.01616-07. PubMed PMID: 18765694; PubMed Central PMCID: PMC2573141.

Urbina JA, Concepcion JL, Caldera A, Payares G, Sanoja C, Otomo T, Hiyoshi H. In vitro and in vivo activities of E5700 and ER-119884, two novel orally active squalene synthase inhibitors, against *Trypanosoma cruzi*. *Antimicrob Agents Chemother.* 2004 Jul;48(7):2379-87. PubMed PMID: 15215084; PubMed Central PMCID: PMC434216.

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