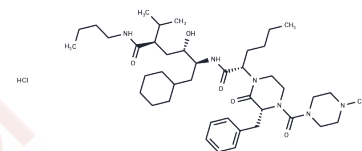


A 70450

Chemical Properties

CAS No. : 142928-23-2
 Formula: C42H71ClN6O5
 Molecular Weight: 775.50
 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 | A 70450, an inhibitor of aspartyl proteinase, can be used as an antifungal agent and may have a role in HIV protease inhibition therapy. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.2895 mL | 6.4475 mL | 12.8949 mL |
| 5 mM | 0.2579 mL | 1.2895 mL | 2.579 mL |
| 10 mM | 0.1289 mL | 0.6447 mL | 1.2895 mL |
| 50 mM | 0.0258 mL | 0.1289 mL | 0.2579 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

- Stewart K, Abad-Zapatero C. Candida proteases and their inhibition: prospects for antifungal therapy. *Curr Med Chem.* 2001 Jul;8(8):941-8. Review. PubMed PMID: 11375761.
- Pranav Kumar SK, Kulkarni VM. Insights into the selective inhibition of Candida albicans secreted aspartyl protease: a docking analysis study. *Bioorg Med Chem.* 2002 Apr;10(4):1153-70. PubMed PMID: 11836127.
- Cutfield SM, Dodson EJ, Anderson BF, Moody PC, Marshall CJ, Sullivan PA, Cutfield JF. The crystal structure of a major secreted aspartic proteinase from Candida albicans in complexes with two inhibitors. *Structure.* 1995 Nov 15;3(11):1261-71. PubMed PMID: 8591036.
- Abad-Zapatero C, Goldman R, Muchmore SW, Hutchins C, Oie T, Stewart K, Cutfield SM, Cutfield JF, Foundling SI, Ray TL. Structure of secreted aspartic proteinases from Candida. Implications for the design of antifungal agents. *Adv Exp Med Biol.* 1998;436:297-313. Review. PubMed PMID: 9561233.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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