

AI 77B

Chemical Properties

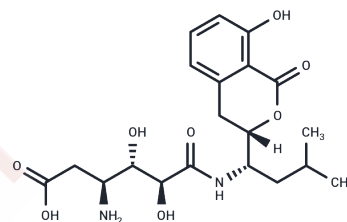
CAS No. : 77674-99-8

Formula: C₂₀H₂₈N₂O₈

Molecular Weight: 424.44

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	AI 77B is a pseudopeptide microbial agent with gastroprotective action.
Targets(IC50)	Others, Antibacterial, TGF-beta/Smad

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.356 mL	11.7802 mL	23.5605 mL
5 mM	0.4712 mL	2.356 mL	4.7121 mL
10 mM	0.2356 mL	1.178 mL	2.356 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 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

Ghosh AK, Bischoff A, Cappiello J. Stereoselective synthesis of pseudopeptide microbial agent AI-77-B. *Org Lett.* 2001 Aug 23;3(17):2677-80. PubMed PMID: 11506607.

Urushidani T, Kasuya Y, Yano S. Ulcerogenic and antiulcerogenic effects of a new antiinflammatory drug, the gamma-lactone-N-ethyl derivative of 6-[1S-(3S,4-dihydro-8-hydroxy-1H-2-benzopyran-1-one-3-yl)-3-methylbutylamino]-4S,5S-dihydroxy-6-oxo-3S-ammoniohexanoate, on gastrointestinal tract in rats.

Arzneimittelforschung. 1986 Sep;36(9):1383-90. PubMed PMID: 3790191.

Shimajima Y, Shirai T, Baba T, Hayashi H. 1H-2-Benzopyran-1-one derivatives, microbial products with pharmacological activity. Conversion into orally active derivatives with antiinflammatory and antiulcer activities. *J Med Chem.* 1985 Jan;28(1):3-9. PubMed PMID: 3965711.

Shimajima Y, Hayashi H. 1H-2-benzopyran-1-one derivatives, microbial products with pharmacological activity. Relationship between structure and activity in 6-[[1(S)-(3(S),4-dihydro-8-hydroxy-1-oxo-1H-2-benzopyran-3-yl)-3-methylbutyl]-amino]-4(S), 5(S)-dihydroxy-6-oxo-3(S)-ammoniohexanoate. *J Med Chem.* 1983 Oct;26(10):1370-4. PubMed PMID: 6620300.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481