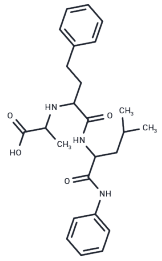
Data Sheet (Cat.No.T24344)

TargetMol

L 696418

Chemical Properties



CAS No. : 154096-58-9

Formula: C25H33N3O4

Molecular Weight: 439.55

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 696418 is a stromelysin inhibits.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2751 mL	11.3753 mL	22.7505 mL
5 mM	0.455 mL	2.2751 mL	4.5501 mL
10 mM	0.2275 mL	1.1375 mL	2.2751 mL
50 mM	0.0455 mL	0.2275 mL	0.455 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

Esser CK, Bugianesi RL, Caldwell CG, Chapman KT, Durette PL, Girotra NN, Kopka IE, Lanza TJ, Levorse DA, MacCoss M, Owens KA, Ponpipom MM, Simeone JP, Harrison RK, Niedzwiecki L, Becker JW, Marcy AI, Axel MG, Christen AJ, McDonnell J, Moore VL, Olszewski JM, Saphos C, Visco DM, Hagmann WK, et al. Inhibition of stromelysin-1 (MMP-3) by P1'-biphenylylethyl carboxyalkyl dipeptides. J Med Chem. 1997 Mar 14;40(6):1026-40. PubMed PMID: 9083493.

Bonassar LJ, Stinn JL, Paguio CG, Frank EH, Moore VL, Lark MW, Sandy JD, Hollander AP, Poole AR, Grodzinsky AJ. Activation and inhibition of endogenous matrix metalloproteinases in articular cartilage: effects on composition and biophysical properties. Arch Biochem Biophys. 1996 Sep 15;333(2):359-67. PubMed PMID: 8809074.

Garcia AM, Frank EH, Grimshaw PE, Grodzinsky AJ. Contributions of fluid convection and electrical migration to transport in cartilage: relevance to loading. Arch Biochem Biophys. 1996 Sep 15;333(2):317-25. PubMed PMID: 8809069.

Bonassar LJ, Jeffries KA, Frank EH, Moore VL, Lark MW, Bayne EK, McDonnell J, Olszewski J, Hagmann W, Chapman K, et al. In vivo effects of stromelysin on the composition and physical properties of rabbit articular cartilage in the presence and absence of a synthetic inhibitor. Arthritis Rheum. 1995 Nov;38(11):1678-86. PubMed PMID: 7488290.

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