

BKM-570

Chemical Properties

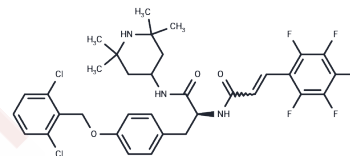
CAS No. : 259885-54-6

Formula: C₃₄H₃₄Cl₂F₅N₃O₃

Molecular Weight: 698.55

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	BKM-570, a bradykinin antagonist, causes impressive growth inhibition of lung and prostate tumors.
Targets(IC50)	Others,Bradykinin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4315 mL	7.1577 mL	14.3154 mL
5 mM	0.2863 mL	1.4315 mL	2.8631 mL
10 mM	0.1432 mL	0.7158 mL	1.4315 mL
50 mM	0.0286 mL	0.1432 mL	0.2863 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

Avdieiev S, Gera L, Havrylyuk D, Hodges RS, Lesyk R, Ribrag V, Vassetzky Y, Kavsan V. Bradykinin antagonists and thiazolidinone derivatives as new potential anti-cancer compounds. *Bioorg Med Chem*. 2014 Aug 1;22(15):3815-23. doi: 10.1016/j.bmc.2014.06.046. Epub 2014 Jun 30. PubMed PMID: 25012567.

Jutras S, Bachvarova M, Keita M, Bascands JL, Mes-Masson AM, Stewart JM, Gera L, Bachvarov D. Strong cytotoxic effect of the bradykinin antagonist BKM-570 in ovarian cancer cells--analysis of the molecular mechanisms of its antiproliferative action. *FEBS J*. 2010 Dec;277(24):5146-60. doi: 10.1111/j.1742-4658.2010.07928.x. Epub 2010 Nov 16. Erratum in: *FEBS J*. 2011 Apr;278(6):999. Gera, Lajos [added]. PubMed PMID: 21078129.

Stewart JM, Gera L, Chan DC, York EJ, Simkeviciene V, Bunn PA Jr, Taraseviciene-Stewart L. Combination cancer chemotherapy with one compound: pluripotent bradykinin antagonists. *Peptides*. 2005 Aug;26(8):1288-91. PubMed PMID: 15878795.

Stewart JM, Gera L, Chan DC, Bunn PA Jr, York EJ, Simkeviciene V, Helfrich B. Bradykinin-related compounds as new drugs for cancer and inflammation. *Can J Physiol Pharmacol*. 2002 Apr;80(4):275-80. PubMed PMID: 12025961.

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