

L 691121

Chemical Properties

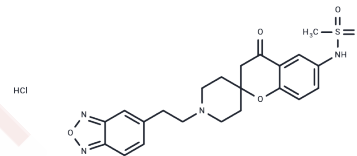
CAS No. : 136075-60-0

Formula: C₂₂H₂₅ClN₄O₅S

Molecular Weight: 492.98

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 691121 is a class III antiarrhythmic compound. It also blocks potassium currents.
Targets(IC50)	Others,Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0285 mL	10.1424 mL	20.2848 mL
5 mM	0.4057 mL	2.0285 mL	4.057 mL
10 mM	0.2028 mL	1.0142 mL	2.0285 mL
50 mM	0.0406 mL	0.2028 mL	0.4057 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

Zaniboni M, Pollard AE, Yang L, Spitzer KW. Beat-to-beat repolarization variability in ventricular myocytes and its suppression by electrical coupling. *Am J Physiol Heart Circ Physiol*. 2000 Mar;278(3):H677-87. PubMed PMID: 10710334.

Greber TF, Olah TV, Gilbert JD, Porras AG, Hichens M. Determination of L-691,121, a new class III antiarrhythmic, and its principal metabolite in plasma by differential radioimmunoassay. *J Pharm Biomed Anal*. 1994 Apr;12(4):483-92. PubMed PMID: 7918764.

Ban Y, Konishi R, Kawana K, Nakatsuka T, Fujii T, Manson JM. Embryotoxic effects of L-691,121, a class III antiarrhythmic agent, in rats. *Arch Toxicol*. 1994;69(1):65-71. PubMed PMID: 7717857.

Lynch JJ Jr, Wallace AA, Van der Gaag LH, Baskin EP, Bear CM, Gehret JR, Kothstein T, Stupienski RF, Appleby SD, Sanguinetti MC, et al. Cardiac electrophysiologic and antiarrhythmic actions of 3,4-dihydro-1'-[2-(benzofurazan-5-yl) ethyl]-6-methanesulfonamidospiro [(2H)-1-benzopyran-2,4'-piperidin]-4-one HCl (L-691,121), a novel class III agent. *J Pharmacol Exp Ther*. 1993 May;265(2):720-30. PubMed PMID: 8496818.

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