

E 0747 FA

Chemical Properties

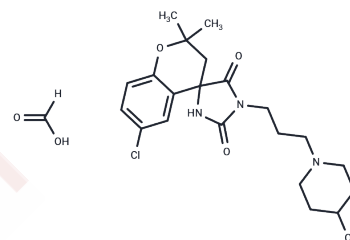
CAS No. :

Formula: C₂₂H₃₀ClN₃O₆

Molecular Weight: 467.94

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	E 0747 FA is an antiarrhythmic compound that inhibits the voltage of action potential V _{max} in Purkinje fibers of porcine heart. E 0747 FA inhibits Na channels in cardiac cells.
Targets(IC ₅₀)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.137 mL	10.6851 mL	21.3703 mL
5 mM	0.4274 mL	2.137 mL	4.2741 mL
10 mM	0.2137 mL	1.0685 mL	2.137 mL
50 mM	0.0427 mL	0.2137 mL	0.4274 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

Hamamoto T, et al. A model study of time- and voltage-dependent effects of class I antiarrhythmic drugs in guinea-pig papillary muscles as related to external potassium concentration. *Arzneimittelforschung*. 1994 Aug;44 (8):929-37.

Sawada K, et al. Voltage- and rate-dependent depression of V_{max} of action potentials by a new antiarrhythmic agent, E-0747, in swine cardiac Purkinje fibers. *J Cardiovasc Pharmacol*. 1987 Jan;9(1):51-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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