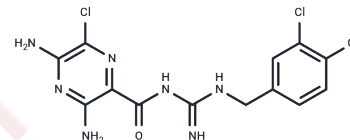


3',4'-Dichlorobenzamil HCl

Chemical Properties

CAS No. :	1166-01-4
Formula:	C ₁₃ H ₁₂ Cl ₃ N ₇ O
Molecular Weight:	388.64
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	3',4'-Dichlorobenzamil HCl is an inhibitor of Na ⁺ transport, Na ⁺ /Ca ²⁺ exchanger, sarcoplasmic reticulum Ca ²⁺ release channels.
Targets(IC50)	Others, Calcium Channel, Na ⁺ /Ca ²⁺ Exchanger, Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5731 mL	12.8654 mL	25.7308 mL
5 mM	0.5146 mL	2.5731 mL	5.1462 mL
10 mM	0.2573 mL	1.2865 mL	2.5731 mL
50 mM	0.0515 mL	0.2573 mL	0.5146 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

Sekizawa S, Bonham AC. Group I metabotropic glutamate receptors on second-order baroreceptor neurons are tonically activated and induce a Na⁺-Ca²⁺ exchange current. J Neurophysiol. 2006 Feb;95(2):882-92. Epub 2005 Sep 28. PubMed PMID: 16192328.

Lee K, Boden PR. Characterization of the inward current induced by metabotropic glutamate receptor stimulation in rat ventromedial hypothalamic neurones. J Physiol. 1997 Nov 1;504 (Pt 3):649-63. PubMed PMID: 9401972; PubMed Central PMCID: PMC1159968.

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