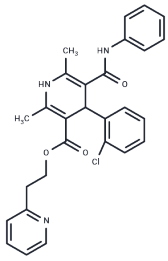
Data Sheet (Cat.No.T35242)

TargetMol

YC 170

Chemical Properties



CAS No. : 59946-73-5

Formula: C28H26ClN3O3

Molecular Weight: 487.98

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	YC 170 is a biochemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0493 mL	10.2463 mL	20.4926 mL
5 mM	0.4099 mL	2.0493 mL	4.0985 mL
10 mM	0.2049 mL	1.0246 mL	2.0493 mL
50 mM	0.041 mL	0.2049 mL	0.4099 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

Takeda Y, Tohse N, Nakaya H, Kanno M. Voltage-dependence of Ca2+ agonist effect of YC-170 on cardiac L-type Ca2+ channels. Br J Pharmacol. 1995 Oct;116(3):2134-40. PubMed PMID: 8640356; PubMed Central PMCID: PMC1908931.

Ichida S, Wada T, Matsuda N, Nakazaki S. Effects of Ca channel agonists on 45Ca uptake differ depending on the state of NG108-15 cells. Jpn J Pharmacol. 1994 Mar;64(3):209-12. PubMed PMID: 8022122.

Yamamoto T, Tokoro T, Eto Y. The attenuated elevation of cytoplasmic calcium concentration following the uptake of low density lipoprotein in type C Niemann-Pick fibroblasts. Biochem Biophys Res Commun. 1994 Jan 28;198(2):438-44. PubMed PMID: 8297353.

Takeda Y. [Single channel analysis of Ca2+ channel-agonistic action of dihydropyridine derivatives: voltage-dependent effects of YC-170 and BAY K 8644]. Hokkaido Igaku Zasshi. 1993 Jul;68(4):557-69. Japanese. PubMed PMID: 7687975.

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