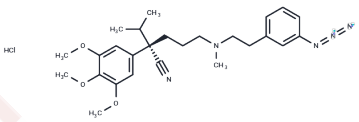
Data Sheet (Cat.No.T32912)

TargetMol

Lu49888 HCl

Chemical Properties



CAS No. : 109293-20-1

Formula: C26H36ClN5O3

Molecular Weight: 502.06

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	LU 49888 is a photoaffinity analog of verapamil that has been used to identify specific binding sites for phenylalkylamines of calcium channels present in rabbit skeletal muscle microsomes.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9918 mL	9.959 mL	19.9179 mL
5 mM	0.3984 mL	1.9918 mL	3.9836 mL
10 mM	0.1992 mL	0.9959 mL	1.9918 mL
50 mM	0.0398 mL	0.1992 mL	0.3984 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

Sieber M, Nastainczyk W, Zubor V, Wernet W, Hofmann F. The 165-kDa peptide of the purified skeletal muscle dihydropyridine receptor contains the known regulatory sites of the calcium channel. Eur J Biochem. 1987 Aug 17; 167(1):117-22. PubMed PMID: 2441986.

Striessnig J, Knaus HG, Grabner M, Moosburger K, Seitz W, Lietz H, Glossmann H. Photoaffinity labelling of the phenylalkylamine receptor of the skeletal muscle transverse-tubule calcium channel. FEBS Lett. 1987 Feb 23;212 (2):247-53. PubMed PMID: 2434359.

Qian XD, Beck WT. Binding of an optically pure photoaffinity analogue of verapamil, LU-49888, to P-glycoprotein from multidrug-resistant human leukemic cell lines. Cancer Res. 1990 Feb 15;50(4):1132-7. PubMed PMID: 1967551.

Striessnig J, Glossmann H, Catterall WA. Identification of a phenylalkylamine binding region within the alpha 1 subunit of skeletal muscle Ca2+ channels. Proc Natl Acad Sci U S A. 1990 Dec;87(23):9108-12. PubMed PMID: 2174553; PubMed Central PMCID: PMC55113.