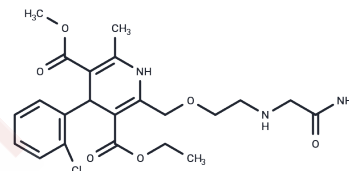


UK51656

Chemical Properties

CAS No. : 88150-59-8
 Formula: C₂₂H₂₈ClN₃O₆
 Molecular Weight: 465.93
 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	UK51656 is an antagonist of calcium (IC ₅₀ : 4 nM).
Targets(IC ₅₀)	Calcium Channel
In vivo	The elimination half-life of UK51656 is 4.7 hours, which is consistent with the duration of its effect in anesthetized dogs. The effect of UK51656 on coronary vascular resistance is very long, more than 5 hours.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1462 mL	10.7312 mL	21.4625 mL
5 mM	0.4292 mL	2.1462 mL	4.2925 mL
10 mM	0.2146 mL	1.0731 mL	2.1462 mL
50 mM	0.0429 mL	0.2146 mL	0.4292 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

Alker D, et al. Long-acting dihydropyridine calcium antagonists. 4. Synthesis and structure-activity relationships for a series of basic and nonbasic derivatives of 2-[(2-aminoethoxy)methyl]-1,4-dihydropyridine calcium antagonists. J Med Chem. 1990 Feb;33(2):585-91.

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