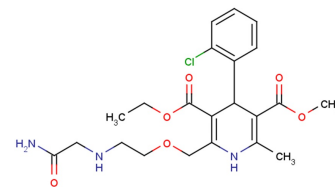


UK51656

Chemical Properties

CAS No.:	88150-59-8
Formula:	C ₂₂ H ₂₈ ClN ₃ O ₆
Molecular Weight:	465.93
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	UK51656 is an antagonist of calcium (IC ₅₀ : 4 nM).
Targets(IC ₅₀)	calcium: 4 nM
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.146 mL	10.731 mL	21.462 mL
5 mM	0.429 mL	2.146 mL	4.292 mL
10 mM	0.215 mL	1.073 mL	2.146 mL
50 mM	0.043 mL	0.215 mL	0.429 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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