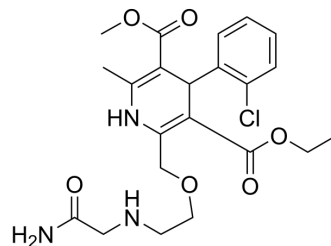


UK51656

Cat. No.:	HY-101707
CAS No.:	88150-59-8
Molecular Formula:	C ₂₂ H ₂₈ ClN ₃ O ₆
Molecular Weight:	465.93
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UK51656 is a calcium antagonist with IC ₅₀ of 4 nM.
IC ₅₀ & Target	IC ₅₀ : 4 nM (calcium) ^[1]
In Vivo	UK51656 has an elimination half-life of 4.7 h, which is consistent with its duration of action in the anesthetized dog. The effect of UK51656 on coronary vascular resistance, has markedly long durations, being over 5 h ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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.

[2]. D Alker, 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

Caution: Product has not been fully validated for medical applications. For research use only.

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