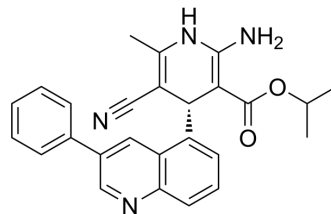


Bay Y5959

Cat. No.:	HY-106927
CAS No.:	146136-94-9
Molecular Formula:	C ₂₆ H ₂₄ N ₄ O ₂
Molecular Weight:	424.49
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

Bay Y5959 is a potent calcium channel agonist. Bay Y5959 binds to the DHP receptor in a voltage-dependent manner increases both the mean open time and the mean closed time of the Ca-channel. Bay Y5959 has the potential for the research of congestive heart failure, arrhythmic^{[1][2]}.

REFERENCES

[1]. Pu J, et al. Effects of Bay Y5959 on Ca²⁺ currents and intracellular Ca²⁺ in cells that have survived in the epicardial border of the infarcted canine heart. J Cardiovasc Pharmacol. 1999 Jun;33(6):929-37.

[2]. Bechem M, et al. A new type of Ca-channel modulation by a novel class of 1,4-dihydropyridines. Life Sci. 1997;60(2):107-18.

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

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