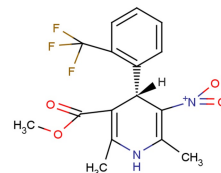


Catalog Number: CM03219

产品信息

Catalog Number:
CM03219CAS号:
98625-26-4分子式:
C₁₆H₁₅F₃N₂O₄主要靶点:
Calcium Channel主要通路:
离子通道|代谢分子量:
356.3溶解度:
H₂O:< 0.1 mg/mL (insoluble)
,ultrasonic warming heat to
60°C,DMSO:120 mg/mL (336.79
mM),Sonification is
recommended.

靶点活性

Ba²⁺ currents:32 nM (EC₅₀)

体外活性

The Ca²⁺ channel activity is enhanced by 3–30 μM (S)-(-)-Bay-K-8644 an agonist of L-type Ca²⁺ channels [1]. FPL 64176 (300 nM) causes a sustained contraction of rat tail artery strips. This contractile response is inhibited by approximately 70% by (S)-(-)-Bay-K-8644 (EC₅₀: 14 nM). (S)-(-)-Bay-K-8644 (100 nM) increases whole-cell Ca²⁺ currents in A7r5 smooth muscle cells but effectively blocks further stimulation by 1 μM FPL 64176 [2]. (S)-(-)-Bay-K-8644 can prevent the inhibitory actions of two distinct cyclic nucleotide pathways on IBa in gastric myocytes of the guinea pig antrum [3].

描述

(S)-(-)-Bay-K-8644 is an agonist of L-type Ca²⁺ channel and activates Ba²⁺ currents with an EC₅₀ of 32 nM.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year