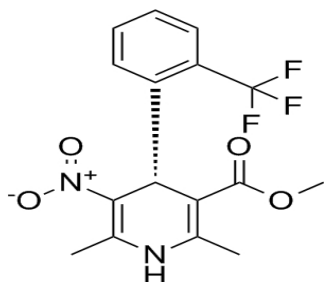


(+)-BAY-K-8644 (CAS: 98791-67-4)**Catalog #:** EBC51007**Biological Activity**

Synonyms	(R)-(+)-BAY K 8644, CHEMBL105672, (R)-(+)-Bay K8644
Chemical Name	(4R)-1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)phenyl]-3-pyridinecarboxylic acid methyl ester
Application	(R)-(+)-Bay K 8644 is an L-type calcium channel protein blocker
CAS No.	98791-67-4
Purity	≥99%
Molecular Weight	356.30
Molecular Formula	C ₁₆ H ₁₅ F ₃ N ₂ O ₄
Shipping	Gel Pack
Storage	Store at -20° C
Target & IC₅₀	Ba ²⁺ currents (IBa): IC ₅₀ = 975 nM

Molecular Structure**Solubility**

DMSO: 300 mg/mL (841.99 mM)

PS: < 1 mg/ml refers to the product insoluble**Description**

(R)-(+)-Bay K 8644 is a L-type calcium channel protein blocker with negative inotropic effects. (R)-(+)-Bay K 8644 is an enantiomer showing opposite effects to the racemate (±)-Bay K 8644 and (S)-(-)-Bay K8644. Intracerebroventricular administration of this enantiomer has no effect on motor function in mice, whereas (-)-BAY-K-8644 impairs rotarod and motor activity, an effect that is blocked by (+)-BAY-K-8644.

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