

(±)-Bay K 8644

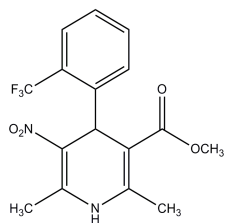
ALTERNATE NAME 1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl) phenyl]-3-pyridinecarboxylic acid, methyl ester

CATALOG #: 1682-5

AMOUNT: 5 mg

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₅F₃N₂O₄

MOLECULAR WEIGHT: 356.30

CAS NUMBER: 71145-03-4

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (100 mM) and Ethanol (100 mM)

PURITY: >98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: A L-type Ca²⁺-channel activator (EC₅₀ = 17.3 nM). In combination with BIX01294 (Cat. No. 1678-5, 25), enables reprogramming of Oct4/Klf4-transduced mouse embryonic fibroblasts.

REFERENCES: Shi, Y., *et al.* (2008). *Cell Stem Cell* **3**, 568-574; Greenberg, D.A., *et al.* (1984). *Brain Res.* **305**, 365-368.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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