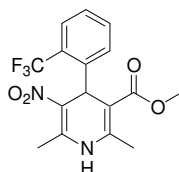




## Certificate of Analysis

**Axon Catalogue ID:** 1697 **Batch Number:** 1  
**Product Name:** Bay K 8644  
**Alternative Name(s):** (±)-BAY K 8644  
**IUPAC Name:** Methyl 2,6-dimethyl-5-nitro-4-(2-(trifluoromethyl)phenyl)-1,4-dihydropyridine-3-carboxylate

**Structure:**



**Amount:**

**CAS number(s):** 71145-03-4  
**Molecular Formula:** C<sub>16</sub>H<sub>15</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **Molecular Weight:** 356.30  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>15</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **Batch Molecular Weight:** 356.30  
**Appearance:** Yellow solid **Observed mp:** 172 - 173 °C  
**TLC (R<sub>f</sub>):** 0.37 Hex:EtOAc (1:1)  
**Chemical Purity:** 99.5%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 53.94, H 4.24, N 7.86; Found: C 53.84, H 4.34, N 7.72  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	35.6	>100 mM	
	EtOH	34.7	97.4	

**Remarks:**

**QC Date:** 20-07-2018

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**