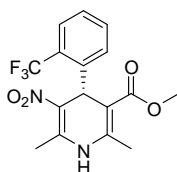




## Certificate of Analysis

**Axon Catalogue ID:** 1758 **Batch Number:** 1  
**Product Name:** (R)-(+)-BAY K 8644  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (R)-methyl 2,6-dimethyl-5-nitro-4-(2-(trifluoromethyl)phenyl)-1,4-dihydropyridine-3-carboxylate

**Structure:**



**Amount:**

**CAS number:** 98791-67-4  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>15</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **Batch MW:** 356.30  
**Appearance:** Yellow solid **Observed mp:** 146 °C  
**TLC (R<sub>f</sub>):** 0.31 Heptane:EtOAc (1:1)  
**Chemical Purity:** 100.0%  
**Optical Purity (ee):**  
**<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 ND , H ND , N ND

**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	35.6	>100 mM	

**Remarks:**

**QC Date:** 6-12-2011

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**