



## Certificate of Analysis

**Axon Catalogue ID:** 1463

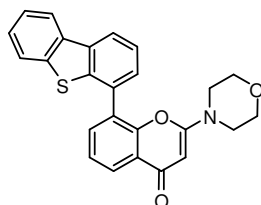
**Batch Number:** 3

**Product Name:** NU 7441

**Alternative Name(s):** KU 47788

**IUPAC Name:** 8-Dibenzothiophen-4-yl-2-morpholin-4-yl-chromen-4-one

**Structure:**



**Amount:**

**CAS number:** 503468-95-9

**MW:** 413.50

**Batch Molecular Formula:** C<sub>25</sub>H<sub>19</sub>NO<sub>3</sub>S

**Batch MW:** 413.50

**Appearance:** Off-white solid

**Observed mp:** 220.1 - 222.9 °C

**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH (20:1)

**Chemical Purity:** 99.9%

**Optical Purity (ee):**

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Not available

**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	6.0	14.5	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 16-07-2010

The purity of Axon products 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 Axon Catalogue ID and Batch number.

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