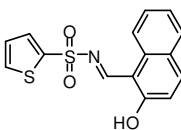


## Certificate of Analysis

**Axon Catalogue ID:** 1670 **Batch Number:** 1  
**Product Name:** STF 083010  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (E/Z)-N-((2-hydroxynaphthalen-1-yl)methylene)thiophene-2-sulfonamide

**Structure:**



**Amount:**

**CAS number(s):** 307543-71-1  
**Molecular Formula:** C<sub>15</sub>H<sub>11</sub>NO<sub>3</sub>S<sub>2</sub> **Molecular Weight:** 317.38  
**Batch Molecular Formula:** C<sub>15</sub>H<sub>11</sub>NO<sub>3</sub>S<sub>2</sub>·0.2H<sub>2</sub>O **Batch Molecular Weight:** 320.99  
**Appearance:** Yellow solid **Observed mp:** 201.8 - 203.5 °C  
**TLC (R<sub>f</sub>):** 0.75 Hex/EtOAc (1:1)  
**Chemical Purity:** >99%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 56.13, H 3.58, N 4.36; Found: C 56.08, H 3.54, N 4.39  
**Storage Conditions:** Store at -20 °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	32.1	>100 mM	
	EtOH			Not Tested

**Remarks:** Purity based on GC/MS (>99%)  
 Stock solution(s) need to be stored at -20°C (or below).  
 The use of freshly prepared stock solutions is recommended.

**QC Date:** 25-9-2023

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**