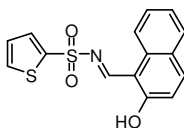




Certificate of Analysis

Axon Catalogue ID: 1670 **Batch Number:** 2
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: C₁₅H₁₁NO₃S₂ **Molecular Weight:** 317.38
Batch Molecular Formula: C₁₅H₁₁NO₃S₂·1/8H₂O **Batch Molecular Weight:** 319.63
Appearance: Yellow solid **Observed mp:** 202 - 203.5 °C
TLC (R_f): 0.75 Hex/EtOAc (1:1)
Chemical Purity: >99%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.36, H 3.55, N 4.38; Found: C 56.68, H 3.95, N 4.51
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	32.0	>100 mM	
	EtOH			Not Tested

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

QC Date: 3-8-2021

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only