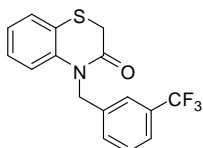




Certificate of Analysis

Axon Catalogue ID: 2094 **Batch Number:** 1
Product Name: NS 6180
Alternative Name(s): N.A.
IUPAC Name: 4-(3-(trifluoromethyl)benzyl)-2H-benzo[b][1,4]thiazin-3(4H)-one

Structure:



Amount:

CAS number: 353262-04-1 **MW:** 323.33
Batch Molecular Formula: C₁₆H₁₂F₃NOS **Batch MW:** 323.33
Appearance: Off white solid **Observed mp:** 98 - 99 °C

TLC (R_f): 0.35 Hexane/EtOAc (4:1)

Chemical Purity: 99.9%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0.4% of theoretical calculation

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	32.3	>100 mM	Soluble
	EtOH	32.3	>100 mM	Soluble

Remarks: Microanalysis: Calcd. C 59.44, H 3.74, N 4.33; Found: C 59.45, H 3.88, N 4.31.

QC Date: 19-6-2013

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 indicating Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only