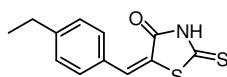




Certificate of Analysis

Axon Catalogue ID: 2222 **Batch Number:** 1
Product Name: 10058-F4
Alternative Name(s): N.A.
IUPAC Name: 5-(4-Ethylbenzylidene)-2-thioxothiazolidin-4-one

Structure:



Amount:

CAS number(s): 403811-55-2
Molecular Formula: C₁₂H₁₁NOS₂ **Molecular Weight:** 249.35
Batch Molecular Formula: C₁₂H₁₁NOS₂ **Batch Molecular Weight:** 249.35
Appearance: Yellow solid **Observed mp:** 180 - 182 °C
TLC (R_f): 0.84 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.80, H 4.45, N 5.62; Found: C 57.76, H 4.33, N 5.68
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)	8.5	34.1	
	0.1N HCl (aq)			Not Tested
	DMSO	24.9	>100 mM	
	EtOH			Not Tested

Remarks: Suspected to be instable in solution; Prepare fresh stock solutions prior to each experiment.

QC Date: 28-06-2019

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