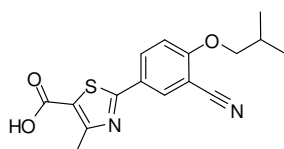




Certificate of Analysis

Axon Catalogue ID: 1175 **Batch Number:** 2
Product Name: TEI 6720
Alternative Name(s): Febuxostat
IUPAC Name: 2-(3-Cyano-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylic acid

Structure:



Amount:

CAS number(s): 144060-53-7
Molecular Formula: C₁₆H₁₆N₂O₃S **Molecular Weight:** 316.37
Batch Molecular Formula: C₁₆H₁₆N₂O₃S **Batch Molecular Weight:** 316.37
Appearance: Light-yellow solid **Observed mp:** ND
TLC (R_f): 0.7 DCM/MeOH (4:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.74, H 5.10, N 8.85; Found: C ND, H ND, N ND
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	15.8	49.9	
	EtOH			Not Tested

Remarks:

QC Date: 14-12-2018

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