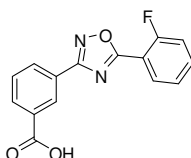




Certificate of Analysis

Axon Catalogue ID: 4049 **Batch Number:** 1
Product Name: Ataluren
Alternative Name(s): PTC124
IUPAC Name: 3-(5-(2-Fluorophenyl)-1,2,4-oxadiazol-3-yl)benzoic acid

Structure:



Amount:

CAS number(s): 775304-57-9
Molecular Formula: C₁₅H₉FN₂O₃ **Molecular Weight:** 284.24
Batch Molecular Formula: C₁₅H₉FN₂O₃·0.1H₂O **Batch Molecular Weight:** 286.04
Appearance: White solid **Observed mp:** 244 °C
TLC (R_f): 0.46 DCM/MeOH (9:1)
Chemical Purity: 99.4%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.98, H 3.24, N 9.79; Found: C 62.96, H 3.06, N 9.72
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)	7.0	24.5	
	0.1N HCl (aq)			Not Tested
	DMSO	28.6	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 27-2-2024

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