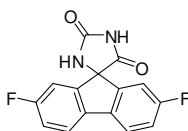




Certificate of Analysis

Axon Catalogue ID: 3978 **Batch Number:** 1
Product Name: Imirestat
Alternative Name(s): AL1576
IUPAC Name: 2,7-Difluorospiro[fluorene-9,4'-imidazolidine]-2',5'-dione

Structure:



Amount:

CAS number(s): 89391-50-4
Molecular Formula: C₁₅H₈F₂N₂O₂ **Molecular Weight:** 286.23
Batch Molecular Formula: C₁₅H₈F₂N₂O₂.0.25H₂O **Batch Molecular Weight:** 290.74
Appearance: White solid **Observed mp:** >275 °C
TLC (R_f): 0.3 Hex/EtOAc (1:1)
Chemical Purity: 98.2%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.97, H 2.95, N 9.64; Found: C 61.98, H 3.00, N 9.59
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	4.9	16.9	
	0.1N HCl (aq)			Not Tested
	DMSO	29.1	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 4-10-2023

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