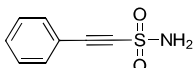




Certificate of Analysis

Axon Catalogue ID: 4278 **Batch Number:** 1
Product Name: Pifithrin- μ
Alternative Name(s): PFT μ
IUPAC Name: 2-Phenylethynylsulfonamide

Structure:



Amount:

CAS number(s): 64984-31-2
Molecular Formula: C₈H₇NO₂S **Molecular Weight:** 181.21
Batch Molecular Formula: C₈H₇NO₂S **Batch Molecular Weight:** 181.21
Appearance: White solid **Observed mp:** 138.5 - 139.5 °C (decomp)
TLC (R_f): 0.6 DCM/MeOH (20:1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.02, H 3.89, N 7.73; Found: C 52.95, H 3.84, N 7.63
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.1	Insoluble
	0.1N NaOH (aq)	18.1	>100 mM	
	0.1N HCl (aq)			Not Tested
	DMSO	18.1	>100 mM	
	EtOH	18.1	>100 mM	

Remarks:

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