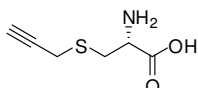




Certificate of Analysis

Axon Catalogue ID: 2666 **Batch Number:** 1
Product Name: S-Propargyl-Cysteine
Alternative Name(s): SPRC; ZYZ-802
IUPAC Name: (R)-2-Amino-3-(prop-2-ynylthio)propanoic acid

Structure:



Amount:

CAS number(s): 3262-64-4
Molecular Formula: C₆H₉NO₂S **Molecular Weight:** 159.21
Batch Molecular Formula: C₆H₉NO₂S **Batch Molecular Weight:** 159.21
Appearance: Off-white solid **Observed mp:** 200 °C (decomp)
TLC (R_f): 0.45 BuOH/AcOH/H₂O (3:1:1)
Chemical Purity: 98.8%
Optical Purity (ee): o.p.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 45.26, H 5.70, N 8.80; Found: C 45.16, H 5.81, N 8.73
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|-------------------------|----------------|---------------------------|------------------------|----------------|
| | Water | 15.9 | >100 mM | |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 0.0 | 0.0 | Insoluble |
| | EtOH | 0.0 | 0.0 | Insoluble |

Remarks:

QC Date: 19-04-2017

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