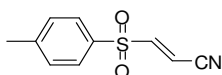




Certificate of Analysis

Axon Catalogue ID: 2132 **Batch Number:** 1
Product Name: BAY 11-7082
Alternative Name(s): BAY 117821; BAY 11-7821
IUPAC Name: (E)-3-Tosylacrylonitrile

Structure:



Amount:

CAS number(s): 19542-67-7
Molecular Formula: C₁₀H₉NO₂S **Molecular Weight:** 207.25
Batch Molecular Formula: C₁₀H₉NO₂S **Batch Molecular Weight:** 207.25
Appearance: White solid **Observed mp:** 133 - 135 °C
TLC (R_f): 0.44 EtOAc/Hex (1:4)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 058, H 004, N 007; Found: C 058, H 004, N 007
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 | 20.7 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 26-03-2020

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