# Certificate of Analysis

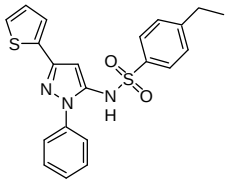
**Axon Catalogue ID:** 1890 **Batch Number:** 1

**Product Name:** HSF1A

**Alternative Name(s):** N.A.

**IUPAC Name:** 4-Ethyl-N-[1-phenyl-3-(2-thienyl)-1H-pyrazol-5-yl]-benzenesulfonamide

**Structure:**



**Amount:**

**CAS number:** 1196723-93-9

**Batch Molecular Formula:** C21H18N3O2S2 **Batch MW:** 409.52

**Appearance:** Off-white Solid **Observed m.p.:** 140 °C

**TLC** ($R_f$)**:** 0.42 2:1 Hexane/Ethyl acetate

**Chemical Purity:** 99.4% **Wavelength for purity check:** 283 nm

**Optical Purity (ee):**

**1H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** C, H, and N fit within 0,4% of theoretical calculation

**Storage Conditions:** Store at <4°C

**Solubility Data:**

| Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|---|---|---|---|
| Water | | | Insoluble |
| 1eq. NaOH | | | Not Tested |
| 1eq. HCl | | | Not Tested |
| DMSO | 41.0 | >100 mM | Soluble |
| EtOH | | | Not Tested |

**Remarks:**

**Quality controller:** M.Brandsma, MSc. **Date:** 10/11/2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**

Axon Medchem BV - Postbus 770 - 9700AT Groningen - The Netherlands
T +31 50 3118007 - F +31 50 3600390 - info@axonmedchem.com - www.axonmedchem.com