

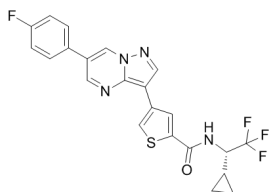
## Certificate of Analysis

**Product Name:** ULK-101  
**Cat. No.:** HY-114490  
**Batch No.:** 40720  
**Chemical Name:** (S)-N-(1-Cyclopropyl-2,2,2-trifluoroethyl)-4-(6-(4-fluorophenyl)pyrazolo[1,5-a]pyrimidin-3-yl)thiophene-2-carboxamide

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>22</sub>H<sub>16</sub>F<sub>4</sub>N<sub>4</sub>OS  
**Molecular Weight:** 460.45  
**Storage:** Powder            -20°C    3 years  
                                 In solvent    -80°C    6 months  
                                                            -20°C    1 month

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Light yellow to yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 99.98%  
**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA