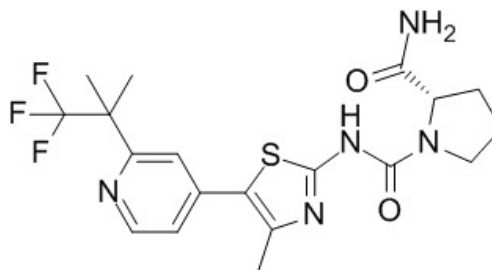


CERTIFICATE OF ANALYSIS

Alpelisib (BYL719)

[**Catalog No.**] CFN60095[**CAS No.**] 1217486-61-7[**Purity**] $\geq 98\%$ [**M.F**] $C_{19}H_{22}F_3N_5O_2S$ [**Physical Description**] Powder[**Solvent**] Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.[**Weight**] 5mg[**Lot No.**] CFS202301[**Storage**] Protected from air and light, refrigerate or freeze(2-8 °C)[**Intended Use**] For laboratory use only[**Shelf Life**] 2 years[**Chemical Structure**][**Characterization Data Summary**]

Analytical Test	Results
Identification by $^1\text{H-NMR}$	Consistent with the above structure
Purity tested	$\geq 98\%$

Authorized Signature:**Date:**