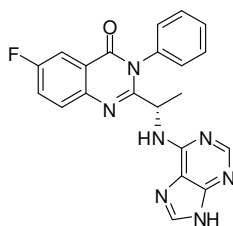




## Certificate of Analysis

**Axon Catalogue ID:** 2857 **Batch Number:** 1  
**Product Name:** Acalisib  
**Alternative Name(s):** GS 9820; CAL 120  
**IUPAC Name:** (S)-2-(1-(9H-Purin-6-ylamino)ethyl)-6-fluoro-3-phenylquinazolin-4(3H)-one

**Structure:**



**Amount:**

**CAS number(s):** 870281-34-8  
**Molecular Formula:** C<sub>21</sub>H<sub>16</sub>N<sub>7</sub>O **Molecular Weight:** 401.40  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>16</sub>N<sub>7</sub>O **Batch Molecular Weight:** 401.40  
**Appearance:** White solid **Observed mp:** 281.0 - 283.0 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**Optical Purity (ee):** o.p.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.84, H 4.02, N 24.43; Found: C 63.03, H 3.96, N 24.48  
**Storage Conditions:** Store at +4 °C

| Solubility Data: | Solvent        | Solubility |      | Remarks    |
|------------------|----------------|------------|------|------------|
|                  |                | (mg/ml)    | (mM) |            |
|                  | Water          | 0.0        | 0.0  | Insoluble  |
|                  | 0.1N NaOH (aq) |            |      | Not Tested |
|                  | 0.1N HCl (aq)  | 0.0        | 0.0  | Insoluble  |
|                  | DMSO           | 21.1       | 52.6 |            |
|                  | EtOH           |            |      | Not Tested |

**Remarks:**

**QC Date:** 29-05-2018

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

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