

## Certificate of Analysis

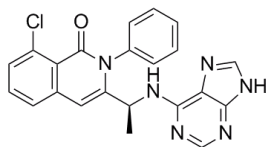
**Product Name:** Duvelisib  
**Cat. No.:** HY-17044  
**CAS No.:** 1201438-56-3  
**Batch No.:** 08367  
**Chemical Name:** 1(2H)-Isoquinolinone, 8-chloro-2-phenyl-3-[(1S)-1-(9H-purin-6-ylamino)ethyl]-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>22</sub>H<sub>17</sub>ClN<sub>6</sub>O  
**Molecular Weight:** 416.86  
**Storage:**

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Off-white to gray (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 99.65%  
**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.**

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