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## Certificate of Analysis

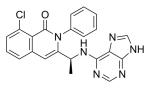
### Duvelisib

Cat. No.:	HY-17044
CAS No.:	1201438-56-3
Batch No.:	16252
Chemical Name:	1(2H)-Isoquinolinone, 8-chloro-2-phenyl-3-[(1S)-1-(9H-purin-6-ylamino)ethyl]-

#### PHYSICAL AND CHEMICAL PROPERTIES

C <sub>22</sub> H <sub>17</sub> ClN <sub>6</sub> O		
416.86		
Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	1 years
	-20°C	6 months
	<b>416.86</b> Powder	<b>416.86</b> Powder -20°C 4°C In solvent -80°C

**Chemical Structure:** 



#### ANALYTICAL DATA

Appearance:	Off-white to gray (Solid)
Purity (HPLC):	99.88%
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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