

## Certificate of Analysis

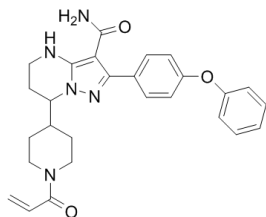
**Product Name:** (±)-Zanubrutinib  
**Cat. No.:** HY-101474  
**CAS No.:** 1633350-06-7  
**Batch No.:** 24963  
**Chemical Name:** Pyrazolo[1,5-a]pyrimidine-3-carboxamide, 4,5,6,7-tetrahydro-7-[1-(1-oxo-2-propen-1-yl)-4-piperidinyl]-2-(4-phenoxyphenyl)-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>27</sub>H<sub>29</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight:** 471.55  
**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:** White to light yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 99.70%  
**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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