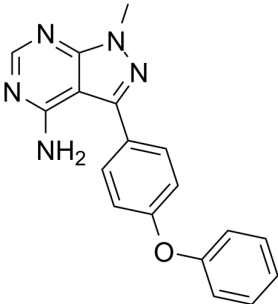
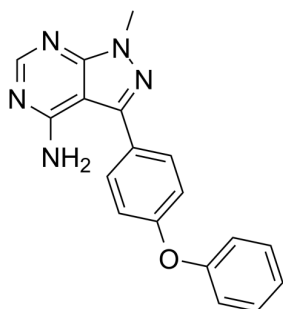


Certificate of Analysis

Compound Information

Product Name:	Ibrutinib Impurity 28 (Ibrutinib Impurity)
Cat. No.:	1235130
CAS No.:	2213398-75-3
Molecular Formula:	C ₁₈ H ₁₅ N ₅ O
Molecular Weight:	317.34
Chemical Structure:	



Batch Information

Batch No.:	Le082495807
Storage:	2-8°C, protect from light
Mfg. Date:	2021-08-25
Retest Date:	2024-08-24
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (HPLC):	98.99%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai