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Certificate of Analysis

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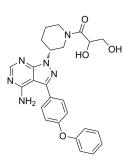
Dihydrodiol-Ibrutinib

Cat. No.:	HY-100659
CAS No.:	1654820-87-7
Batch No.:	189975
Chemical Name:	1-Propanone, 1-[(3R)-3-[4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-1-pipe
	ridinyl]-2,3-dihydroxy-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{25}H_{26}N_6O_4$		
Molecular Weight:	474.51		
Storage:	Powder	-20°C 4°C	3 years 2 years
	In solvent	-80°C -20°C	6 months
		20 0	THIOHUI

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	99.92%
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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