

## **Northeast Business Center**

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## **Certificate of Analysis**

Product Name:	ACP-196 (Acalabrutinib)
Synonym:	Acalabrutinib
CAS No:	1420477-60-6
Prod. No:	CT-ACP196
Lot No:	02
Batch Empirical Formula	$C_{26}H_{23}N_7O_2 \cdot 1.8H_2O$
Batch Mol. Wt.	497.9
Solubility:	Soluble in DMSO (39.8mg/ml, 80mM) at 45 °C
Storage:	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	White to off-White Powder, Recrystallized
Appearance	Write to on-write Fowder, Necrystalized
	$MS: [\sqrt{\ }]$
Quality Control	¹HNMR: [√]
	HPLC: [√]
	Chiral HPLC: [√]
	Quantitative Elemental Analysis: [√] C <sub>26</sub> H <sub>23</sub> N <sub>7</sub> O <sub>2</sub> ·1.8H <sub>2</sub> O
	Calculated: C: 62.71%; H: 5.38%; N: 19.69%
	Found: C: 62.39%; H: 5.39%; N: 19.76%
Chemical Purity	>99.5% (HPLC)
Optical Purity (e.e)	100% (Chiral HPLC)