

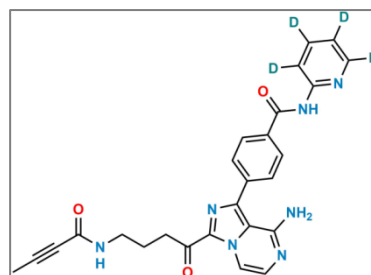
Analysis Date: 02-01-2025

Re-test Date: 02-01-2028

## ACALABRUTINIB METABOLITE M27 (ACP-5862)-D4

### Identification

<b>Chemical Name</b>	: 4-(8-Amino-3-(4-(but-2-ynamido)butanoyl)imidazo[1,5-a]pyrazin-1-yl)-N-(pyridin-2-yl-d4)benzamide
<b>CAT No</b>	: ALL-ACA-1331
<b>CAS No</b>	: N.A.
<b>Molecular Formula</b>	: C <sub>26</sub> H <sub>19</sub> D <sub>4</sub> N <sub>7</sub> O <sub>3</sub>
<b>Molecular Weight</b>	: 485.5



### Analytical Information

<b>Batch No.</b>	: ALL-ACA-1331	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 97.65 %
<b>Appearance of Product</b>	: Clear Liquid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.167 %	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.183 %		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.167 + 0.183) \times 98.00] / 100 = 97.65 \%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, 1H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office