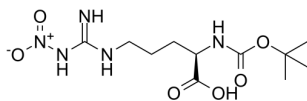


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	N2-[(1,1-Dimethylethoxy)carbonyl]-N5-[imino(nitroamino)methyl]-D-ornithine (Afatinib Impurity)
<b>Cat. No.:</b>	1234963
<b>CAS No.:</b>	50913-12-7
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>21</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	319.31
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0119119398
<b>Storage:</b>	Storage temp. 2-8°C
<b>Mfg. Date:</b>	2022-01-19
<b>Retest Date:</b>	2025-01-18
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Optical Rotation:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥95.0%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

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

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