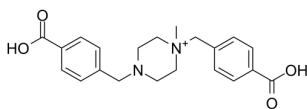


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	1,4-Bis(4-carboxybenzyl)-1-methylpiperazin-1-ium (Imatinib Impurity)
<b>Cat. No.:</b>	1325958
<b>CAS No.:</b>	1407229-73-5
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>25</sub> N <sub>2</sub> O <sub>4</sub> <sup>+</sup>
<b>Molecular Weight:</b>	369.43
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Le1130110942
<b>Storage:</b>	Storage temp. 2-8°C
<b>Mfg. Date:</b>	2021-12-03
<b>Retest Date:</b>	2024-12-02
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Light yellow to yellow (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	99.24%
<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.

Tel: 400-821-0725

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