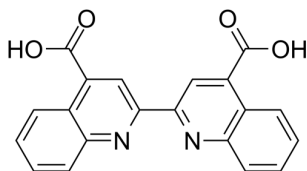


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	[2,2'-Biquinoline]-4,4'-dicarboxylic acid
<b>Cat. No.:</b>	1018831
<b>CAS No.:</b>	1245-13-2
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	344.32
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Ld060304394
<b>Storage:</b>	2-8°C, protect from light, stored under nitrogen
<b>Mfg. Date:</b>	2020-06-04
<b>Retest Date:</b>	2023-06-03
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Off-white to gray (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Water(KF):</b>	0.67%
<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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