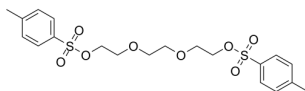


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Triethylene glycol bis(p-toluenesulfonate)
<b>Cat. No.:</b>	1024725
<b>CAS No.:</b>	19249-03-7
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>26</sub> O <sub>8</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	458.54
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0709145684
<b>Storage:</b>	Storage temp. 2-8°C
<b>Mfg. Date:</b>	2022-07-11
<b>Retest Date:</b>	2025-07-10
<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>Purity (HPLC):</b>	99.28%
<b>Water(KF):</b>	0.46%
<b>Residue on Ignition:</b>	0.23%
<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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