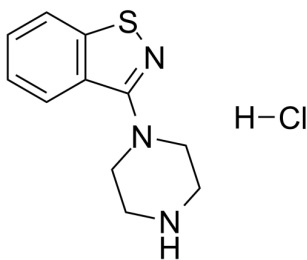


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	3-(Piperazin-1-yl)benzo[d]isothiazole hydrochloride (Ziprasidone Impurity)
<b>Cat. No.:</b>	1299910
<b>CAS No.:</b>	87691-88-1
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>14</sub> ClN <sub>3</sub> S
<b>Molecular Weight:</b>	255.77
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf1025177413
<b>Storage:</b>	Store at room temperature, keep dry and cool
<b>Mfg. Date:</b>	2019-07-09
<b>Retest Date:</b>	2024-07-08
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to light yellow (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	99.29%
<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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