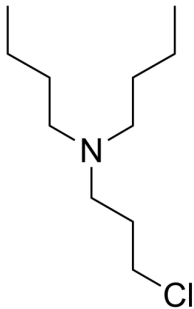
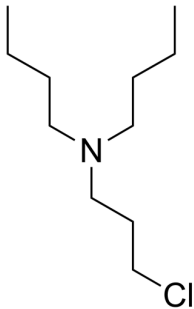


## Certificate of Analysis

### Compound Information

|                            |   |
|----------------------------|---|
| <b>Product Name:</b>       | N-Butyl-N-(3-chloropropyl)butan-1-amine   |
| <b>Cat. No.:</b>           | 1048839   |
| <b>CAS No.:</b>            | 36421-15-5  |
| <b>Molecular Formula:</b>  | C <sub>11</sub> H <sub>24</sub> ClN   |
| <b>Molecular Weight:</b>   | 205.77  |
| <b>Chemical Structure:</b> |  |



### Batch Information

|                     |                              |
|---------------------|------------------------------|
| <b>Batch No.:</b>   | Lf0527136289                 |
| <b>Storage:</b>     | 2-8°C, stored under nitrogen |
| <b>Test Date:</b>   | 2010-09-07                   |
| <b>Retest Date:</b> | 2013-09-06                   |
| <b>Origin:</b>      | Shanghai, China              |

### QC Summary

|                     |   |
|---------------------|---|
| <b>Appearance:</b>  | Colorless to light yellow (Liquid)                                      |
| <b>Purity (GC):</b> | 99.17%  |
| <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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