

# Certificate of Analysis

## Compound Information

**Product Name:** 3,6,9,12-Tetraoxapentadec-14-yn-1-Amine  
**CAS No.:** 1013921-36-2  
**Cat. No.:** G1650869  
**Molecular Formula:** C<sub>11</sub>H<sub>21</sub>NO<sub>4</sub>  
**Molecular Weight:** 231.29

## Batch Information

**Batch No.:** 8992173  
**Test Date:** 2025-11-10  
**Report Date:** 2025-11-11  
**Retest Date:** 2031-05-08  
**Storage:** -20°C  
**Origin:** China

## Test Item

| Test   | Specification             | Result                    |
|--------|---------------------------|---------------------------|
| Purity | 97%(GC-MS)                | 98.80%                    |
| NMR    | Consistent with structure | Consistent with structure |

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

