

# Certificate of Analysis

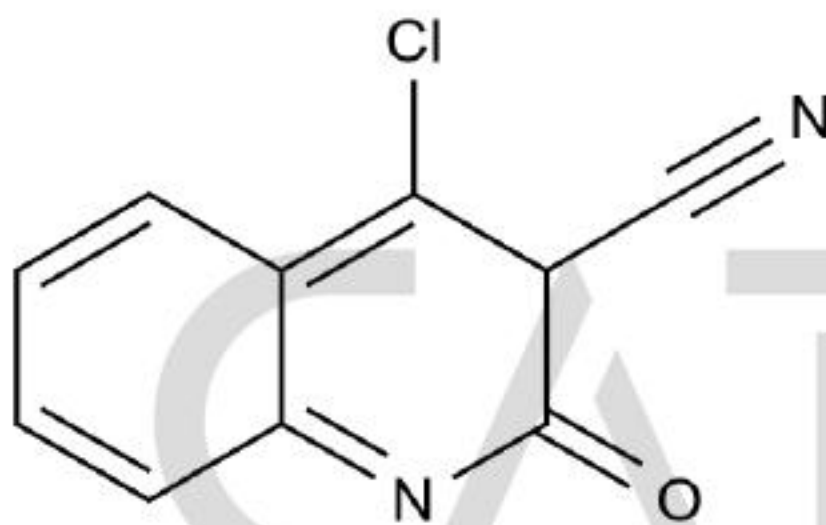
## Reference Material & Standard

|                           |                                                    |                          |                                           |
|---------------------------|----------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | 4-Chloro-2-oxo-1,2-dihydroquinoline-3-carbonitrile | <b>Catalogue Number:</b> | C1718809                                  |
| <b>Synonyms:</b>          | N/A                                                | <b>Lot Number:</b>       | 0921-SA-7530                              |
| <b>CAS Number:</b>        | 680210-85-9                                        | <b>Expiry Date:</b>      | Sep 20, 28                                |
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>5</sub> ClN <sub>2</sub> O  | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 204.61                                             |                          |                                           |

**Warning:**



**Chemical Structure:**



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.787%   |

**Signature:**

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Approved by General Manager:

*David*

Date: Sep 21, 24

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## Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Sep 21, 24 | First release.      |

