

Certificate of Analysis

Reference Material & Standard

Product Name:	7-Chloro-1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic Acid	Catalogue Number:	CCPD101716
Synonyms:	N/A	Lot Number:	1220-RC-0071
CAS Number:	86393-33-1	Expiry Date:	Dec 21, 2025
Molecular Formula:	C ₁₃ H ₉ ClFNO ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	281.67		

Warning:



Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.660%
Loss on Drying	TGA	0.0274%
Assay		99.6%
Uncertainty		±2.0%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

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Reviewed by:

Xenia

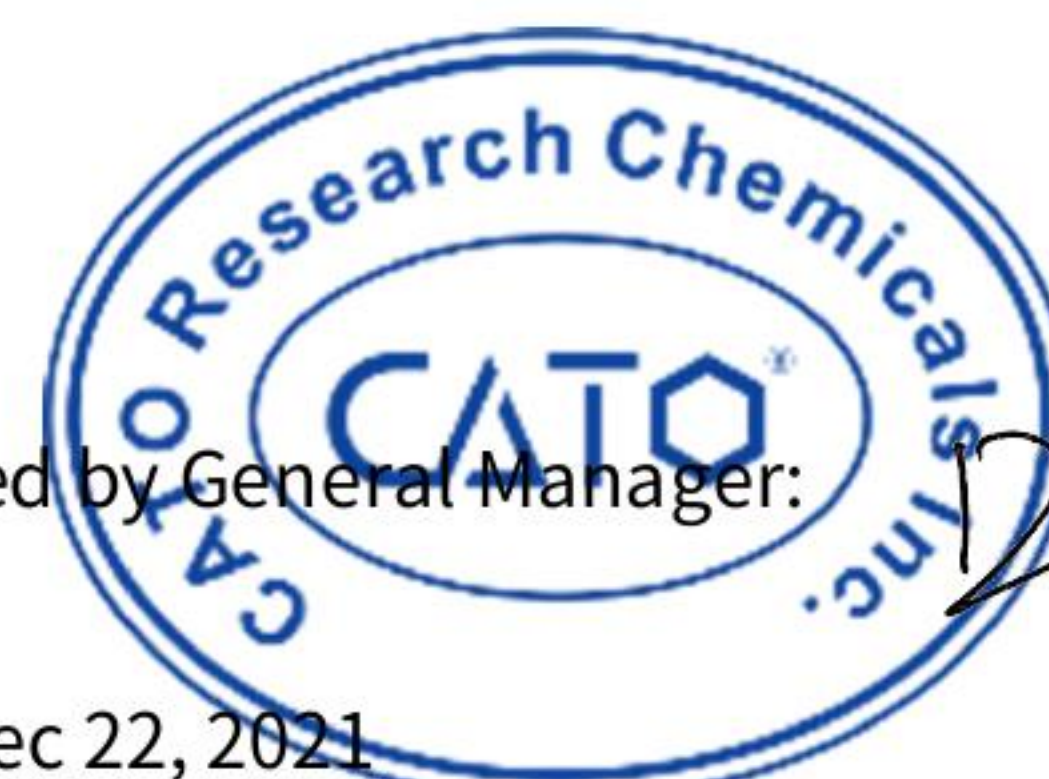
Approved by General Manager:

David

Date: Dec 22, 2021

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