



## CERTIFICATE OF ANALYSIS

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### 1. Identification

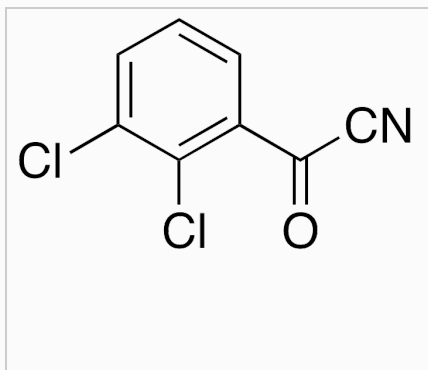
**Catalogue Number:** D432250

**CAS Number:** 77668-42-9

**Product:** 2,3-Dichlorobenzoyl Nitrile

**Synonym:** 2,3-Dichloro- $\alpha$ -oxo-benzeneacetonitrile;  
2,3-Dichlorobenzoyl Cyanide

**Structure:**



**Molecular Formula:**

$C_8H_3Cl_2NO$

**Molecular weight:**

200.02

**Source of Product:**

N/A

**Solubility:**

Chloroform (Sparingly), Ethyl Acetate (Slightly)

**Lot Number:** 20-GHZ-15-1

**Purity:** 95%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Toxic

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
FT-IR	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	95.85% (215 nm)

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Hexanes : Ethyl Acetate = 8 : 2; Visualized with UV and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.55.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Eric Beaton	My Nguyen	11/6/2019	11/4/2026