



## CERTIFICATE OF ANALYSIS

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### 1. Identification

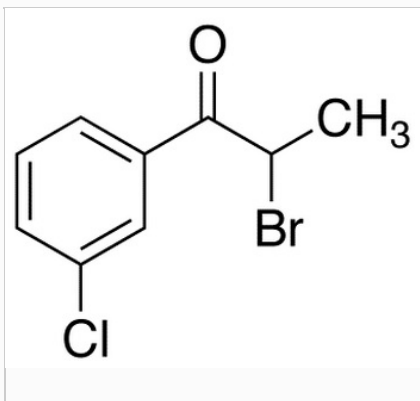
**Catalogue Number:** C365035

**CAS Number:** 34911-51-8

**Product:** 3'-Chloro-2-bromopropiophenone

**Synonym:** 2-Bromo-1-(3-chlorophenyl)-1-propanone;  
α-Bromo-3-chloropropiophenone;

**Structure:**



**Molecular Formula:**

C<sub>9</sub>H<sub>8</sub>BrClO

**Molecular weight:**

247.52

**Source of Product:**

N/A

**Solubility:**

Acetonitrile (Slightly),  
Chloroform (Slightly),  
Methanol (Slightly)

**Lot Number:** 1-PVA-112-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 43.47, %H: 3.21
NMR	Conforms to Structure	Conforms
Appearance	Pale Yellow to Brown Oil	Clear Pale Yellow Oil
Specific Rotation	Report Result	-0.2° (c = 0.5, Methanol)
C NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.07% (210 nm)

**Additional Information:** Contains: ~2% Dichloromethane

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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
Evan Burns	Toni Rantanen	Chanell Chu	9/14/2021	9/12/2025