



# CERTIFICATE OF ANALYSIS

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## 1. Identification

**CAS Number:**

40312-34-3

**Catalogue Number:**

TRC-T002005

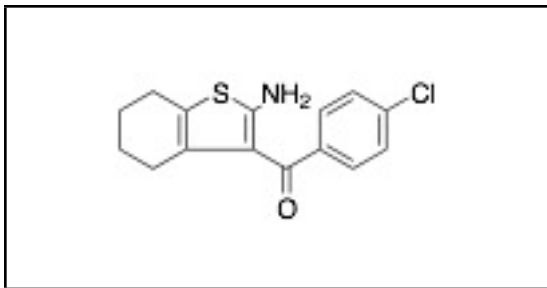
**Product:**

T62

**Synonyms:**

(2-Amino-4,5,6,7-tetrahydrobenzo[b]thien-3-yl)(4-chlorophenyl)methanone; (2-Amino-4,5,6,7-tetrahydrobenzo[b]thiophen-3-yl)(4-chlorophenyl)methanone; Compound T 62; T 62 (pharmaceutical);

**Structure:**



**Molecular Formula:**

C<sub>15</sub>H<sub>14</sub>ClNOS

**Molecular Weight:**

291.80

**Source of Product:**

Synthetic

## 2. Analytical Information

**Lot Number:**

8-APD-4-3

**Atmosphere:**

Inert Gas

**Melting Point:**

137 - 141°C

**Solubility**

Chloroform (Slightly), Methanol (Slightly)

**Appearance of Product:**

Dark Yellow to Light Brown Solid

**Stability**

Not Determined

**Method for Determining Identity:**

<sup>1</sup>H NMR (CDCl<sub>3</sub>) and MS

**Long Term Storage Condition:**

4°C, Inert atmosphere

**Purity:**

98%

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

98.08% by UPLC

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Hexanes : Ethyl Acetate = 7 : 3; Visualized with UV, AMCS, KMnO<sub>4</sub>, and Naked Eye; Single Spot, R<sub>f</sub> = 0.55.

<sup>1</sup>H NMR and MS conform to structure.

Elemental Analysis: (Found) %C: 61.53, %H: 4.76, %N: 4.81; (Calculated) %C: 61.74, %H: 4.84, %N: 4.80

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.

Philip Chan, Head of Quality Assurance

**QC Test Date**

November 16, 2017

**Retest Date**

November 14, 2021