

Coumachlor

8-XJZ-157-1

OH

# **CERTIFICATE OF ANALYSIS**

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#### 1. Identification

Product:

Catalogue C745000 CAS Number: 81-82-3

Synonym: 3-[1-(4-Chlorophenyl)-3-oxobutyl]-4-hydroxy-

2H-1-benzopyran-2-one; (+/-)3-(a-Acetonyl-p-chlorobenzyl)-4-hydroxycoumarin; (+/-)-Coumachlor; (+/-)-p-Chlorowarfarin; Cumachlor; Geigy Rodenticide Exp. 332;

Tomorin; p-Chlorowarfarin;

Structure: Molecular Formula:

Me

C19H15ClO4

Molecular weight:

342.77

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Purity: 98%

Shipping This Product Is Stable To Be Storage

Condition: Shipped At Room Temperature

Condition: 4°C

#### 2. Warning

Lot

Number:

Warning 1: Toxic Warning 2: Warning 3:

### 3. Analytical Information

Additional Information:

Tests: Specifications: Results:

Appearance White to Pale Beige Solid White to Pale Beige Solid

NMR Conforms to Structure Conforms

Elemental Conforms %C: 66.81, %H: 4.24

MS Conforms to Structure Conforms

Specific Rotation Report Result 0.0° (c = 0.2, Chloroform)

HPLC Purity >95% 98.77% (205 nm)

TLC Conditions: SiO2; Dichloromethane : Methanol = 9 : 1; Visualized with KMnO4; Single Spot, Rf = 0.65.Elemental Analysis: (Theoretical)

%C: 66.58, %H: 4.41

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** 

Neha Khanna

**Reviewed By** 

Eric Beaton

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C of A Approved By

My Nguyen

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Test Date

9/7/2019

**Retest Date** 

9/5/2029