

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue C369158 Number:

3-Chloro-6-methyl-dibenzo[c,f]

[1,2]thiazepin-11(6H)-one 5,5-Product:

Dioxide

Structure:

Lot 14-ANR-161-1 Number:

This Product Is Stable To Be Shipping Condition: Shipped At Room Temperature CAS 26638-53-9 Number:

Synonym: 3-Chloro-6-methyl-5,5-dioxobenzo[c]

[2,1]benzothiazepin-11-one; 3-Chloro-6,11dihydro-6-methyl-5,5,11-trioxodibenzo[c,f] [1,2]thiazepine; Tianeptine Impurity C

Molecular Formula:

C14H10CINO3S

Molecular weight:

307.75

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Purity: 98%

Storage

Condition: -20°C

2. Warning

Elemental

Analysis

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Additional Information:

Tests: Specifications: Results: **NMR** Conforms to structure Conforms Conforms to Structure Conforms MS 171 - 173°C **Melting Point** Report Results **HPLC** 99,97%

Conforms Refer: Additional Information

Off-White Solid Appearance

> TLC Conditions: SiO2; Ethyl Acetate: Hexanes = 1:1; Visualized with UV and KMnO4; Single Spot, Rf = 0.75.1H NMR and MS conform to structure. Elemental Analysis: (Found) %C: 54.51, %H: 3.42, %N:

4.59; (Calculated) %C: 54.64, %H: 3.28, %N: 4.55

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

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** Philip Chan 6/4/2018 6/2/2028