

## **CERTIFICATE OF ANALYSIS**

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA Tel: (416) 665-9696, Fax: (416) 665-4439

Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

## 1. Identification

Catalogue T344185 CAS 67-03-8 Number: Number:

Synonym: 3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-

5-(2-hydroxyethyl)-4-methyl-

chloridethiazolium Hydrochloride; Aneurine Product: Thiamine Hydrochloride Hydrochloride; Apate Drops; Beatine;

Bedome; Begiolan; Benerva; Eskapen; Eskaphen; Thiamin Dichloride; Vinothiam; Vitamin B1 Hydrochloride; Vitaneuron;

Structure:

Cl-HCI Molecular Formula:

C12H17CIN4OS • HCI

Molecular weight:

337.27

Source of Product:

N/A Solubility:

DMSO (Slightly, Heated, Sonicated), Methanol (Slightly,

Heated)

**Purity:** 2-FGD-570-1 98% Number:

This Product Is Stable To Be Storage Shipping Condition: 4°C Condition: Shipped At Room Temperature

2. Warning

Lot

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

White to Off-White Solid Appearance White to Off-White Solid

Conforms to Structure Conforms **NMR** 

Elemental Analysis Conforms %C: 41.35, %H: 5.51, %N: 15.92

**HPLC Purity** Report Result 98.80% (245 nm)

Chloride Content Report Result 20.1% MS Conforms to Structure Conforms

Water Content Report Result ~3.2% based on Elemental Analysis

**Additional Information:** N/A

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**Evan Burns

**Reviewed By**Toni Rantanen

C of A Approved By Chanell Chu

3/16/2022

**Test Date** 

**Retest Date** 

Evan Burns

For

Garell Bu

3/14/2026