



CERTIFICATE OF ANALYSIS

20 Martin Ross Ave., Toronto, ON. M3J 2K8 Canada Tel: (416) 665-9696 E-mail: Orders.TRC@LGCGroup.com Website: www.trc-canada.com

1. Identification

CAS Number:

358388-58-6

Catalogue Number:

D220200

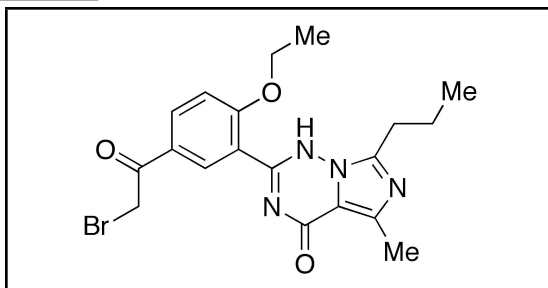
Product:

1-Decarboxyl-1-(bromoacetyl) Norneovardenafil (contains up to 10% 1-Chloroacetyl)

Synonyms:

2-[5-(Bromoacetyl)-2-ethoxyphenyl]-5-methyl-7-propylimidazo[5,1-f][1,2,4]triazin-4(1H)-one;

Structure:



Molecular Formula:

C₁₉H₂₁BrN₄O₃

Molecular Weight:

433.30

Source of Product:

Synthetic

2. Analytical Information

Lot Number:

3-NZZ-83-7

Atmosphere:

Inert Gas

Melting Point:

>195°C (dec.)

Solubility

DMSO (Slightly), Methanol (Slightly)

Appearance of Product:

Off-White Solid

Stability

Not Determined

Method for Determining Identity:

¹H NMR (DMSO-d₆) and MS

Long Term Storage Condition:

4°C, Inert atmosphere

Purity:

97%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 9 : 1 : 0.1; Visualized with UV and KMnO₄; Single Spot, R_f = 0.75.

¹H NMR and MS conform to structure.

Elemental Analysis: (Found) %C: 52.74, %H: 4.49, %N: 12.88; (Calculated) %C: 52.67, %H: 4.89, %N: 12.93

Contains: 0.8% 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.

Philip Chan, Head of Quality Assurance

QC Test Date

January 22, 2018

Retest Date

January 20, 2022