

Certificate of Analysis

1. Identification

Catalogue Number

M294680

Lot Number

29-GHZ-61-1

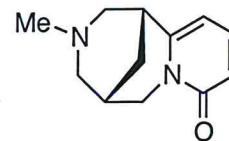
Product Name

N-Methylcytisine

Synonyms

(1R,5S)-1,2,3,4,5,6-Hexahydro-3-methyl-1,5-methano-8H-pyrido[1,2-a][1,5]diazocin-8-one; 12-Methyl-cytisine; Caulophyllin; Caulophylline;

Structure



CAS Number

486-86-2

Solubility

Chloroform (Slightly), Ethyl Acetate (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₁₆N₂O

Source of Product

Synthetic

Long Term Storage Conditions

-20°C Freezer, Under Inert Atmosphere

Molecular Weight

204.27

Purity

98%

2. Warnings

3. Analytical Information

Tests	Specifications	Results
Appearance		White to Off-White Solid
Melting Point	Report Results	135 - 137°C
NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms	Refer: Additional Information
MS	Conforms to Structure	Conforms

Additional Information

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 2 : 0.1; Visualized with UV and AMCS; Single Spot, R_f = 0.65.

¹H NMR and MS conform to structure.

Elemental Analysis: (Found) %C: 70.36, %H: 8.00, %N: 13.66; (Calculated) %C: 70.56, %H: 7.90, %N: 13.71

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



Philip Chan

Test Date

6/29/2015

Retest Date

6/27/2022