



CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

486-86-2

Catalogue Number:

M294680

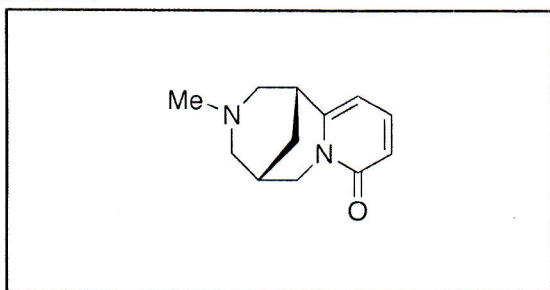
Product:

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:



Molecular Formula:

C₁₂H₁₆N₂O

Molecular Weight:

204.27

Source of Product:

Synthetic

2. Analytical Information

Lot Number:

29-GHZ-61-1

Melting Point:

135 - 137°C

Boiling Point:

N/A

Atmosphere:

Inert Gas

Appearance of Product:

White to Off-White Solid

Solubility

Chloroform (Slightly), Ethyl Acetate (Slightly)

Method for Determining Identity:

¹H NMR (CDCl₃) and MS

Stability

Not Determined

Purity:

98%

Long Term Storage Condition:


-20°C Freezer, Under Inert Atmosphere

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


Philip Chan, Head of Quality Assurance

QC Test Date

June 29, 2015

Retest Date

June 27, 2020