

N-Methylcytisine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: N-Methylcytisine

Catalog No.: CFN99776

Cas No.: 486-86-2

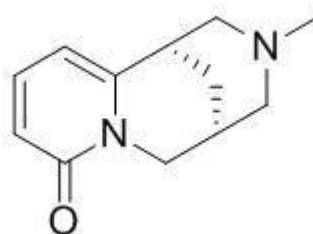
Purity: >=98%

M.F: C₁₂H₁₆N₂O

M.W: 204.27

Physical Description: White cryst.

Synonyms: (1R)-1,2,3,4,5,6-hexahydro-1,5-methano-8H-pyrido[1,2-a][1,5]diazocin-8-one;
Caulophylline.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Agricultural research;
6. Others.

[Source]

The roots of *Sophora flavescens*.

[Biological Activity or Inhibitors]

N-methylcytisine is a selective ligand of nicotinic receptors of acetylcholine in the central nervous system.^[1]

(-)-N-methylcytisine and (-)-anagyrine have nematocidal activity against pine wood nematodes.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[3]

Mobile phase: Methanol- Diethyl ether - 5% Ammonia solution=46:52:2;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 310 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Iug P, Demushkin V P. *Biull. Eksp. Biol. Med.*, 1987, 104(12):690-2.

[2] Matsuda K, Kimura M, Komai K, *et al. Agric. Biol. Chem.*, 1989, 53(8):2287-8.

[3] Zhou J H, Shi X W, Cui X A, *et al. Chinese Journal of Pharmaceutical Analysis*, 2014 , 34(10):1737-40.

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