

Methylecgonine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Methylecgonine

Catalog No.: CFN00190

Cas No.: 7143-09-1

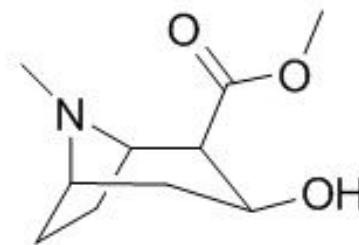
Purity: >=98%

M.F: C₁₀H₁₇NO₃

M.W: 199.25

Physical Description: Oil

Synonyms: 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-hydroxy-8-methyl-, Methyl ester, (1R,2R,3S,5S)-; Ecgonine methyl ester.



[Intended Use]

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

[Source]

The herbs of *Erythroxylum coca*.

[Biological Activity or Inhibitors]

Methyl ecgonine in urine as an indicator of cocaine use.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol-Isopropanol-Ammonium hydroxide=85:15:0.03;

Flow rate:1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination:237 nm.

[Storage]

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

[References]

[1] Kapur B M, Anderson M. *Clinical Biochemistry*, 1987, 20(4):301-301.

[2] Cashman J, Berkman C G. *J. Pharm. Exp.Ther.*,2000,293(3):952-61.

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