

Anagryne Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Anagryne

Catalog No.: CFN92067

Cas No.: 486-89-5

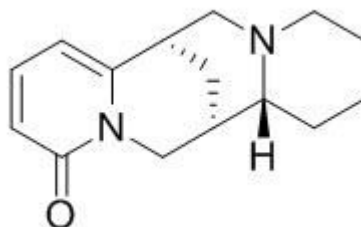
Purity: > 95%

M.F: C₁₅H₂₀N₂O

M.W: 244.3

Physical Description: Cryst.

Synonyms: (7 α)-11,12,13,14-Tetradehydrospartein-15-one.



[Intended Use]

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

[Source]

The herbs of *Cytisus scoparius*.

[Biological Activity or Inhibitors]

Anagryne can induce red cell aplasia, vascular anomaly, and skeletal dysplasia.^[1]

(-)-Anagryne and (-)-Methylcytisine have nematicidal activities against Pine Wood Nematodes.^[2]

Anagryne, is the responsible teratogen from teratogenic lupins, can produce congenital deformities in calves typical of crooked calf disease.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Isopropanol - Acetonitrile - Water phase (SDS containing 0.5 g of each 1000 mL, 3.5 mL of triethylamine, 2 mL of 85% phosphoric acid and adjusted to pH 3.0 with triethylamine) = 15: 20: 150 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 309 nm.

[Storage]

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

[References]

[1] Ortega J A, Lazerson J. *J. Pediatr.*, 1987, 111(1):87-9.

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

[3] Keeler R F. *J. Toxicol. Environ. Health.* 1976, 1(6):887-98.

[4] Lin D A, Li P F, Guan H, *et al. Journal of Traditional Chinese Veterinary Medicine*, 2005, 24(2):11-4.

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