

Riboflavine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Riboflavine

Catalog No.: CFN99818

Cas No.: 83-88-5

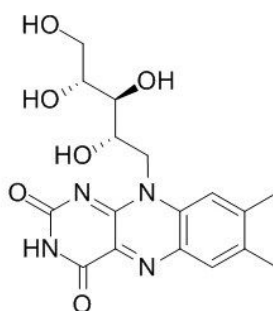
Purity: >=99%

M.F: C₁₇H₂₀N₄O₆

M.W: 376.36

Physical Description: Yellow powder

Synonyms: Vitamine B2, Riboflavine(B2).



[Intended Use]

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

[Source]

The herbs of *Saccharum sinense*.

[Biological Activity or Inhibitors]

Riboflavine-response Leigh syndrome and leukodystrophy associated to partial succinate dehydrogenase deficiency, riboflavin can treat the regression of neurological impairment.^[1]

Riboflavine deficiency may lead to angular conjunctivitis.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: 10 mM Sodium heptanesulfonate solution(containing 0.5% acetic acid)-

Acetonitrile-Methanol=85: 10: 5;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 444 nm.

[Storage]

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

[References]

[1] Pinard J M, Marsac C, Barkaoui E, *et al. Archives De Pédiatrie*, 1999, 6(4):421-6.

[2] Venkataswamy G. *Indian J.Ophthalmol.*, 1960, 8(2):33-41.

[3] Xie Z, Kan J, Wu X, *et al. Chinese Journal of Pharmaceutical Analysis*, 2011, 31:694-7.

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