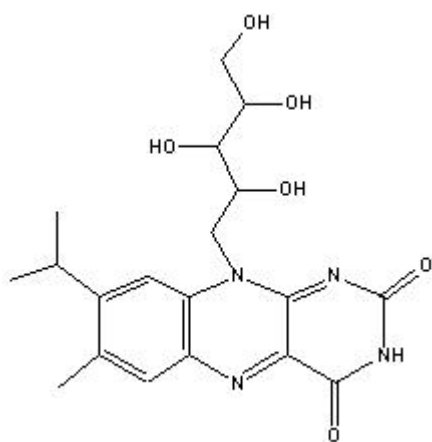


## TECHNICAL INFORMATION

Catalog Number: 154252

### Roseoflavin

#### Structure:



**Molecular Formula:** C<sub>18</sub>H<sub>23</sub>N<sub>5</sub>O<sub>6</sub>

**Molecular Weight:** 405.4

**CAS #:** 51093-55-1

**Synonyms:** 8-Demethyl-8-(dimethylamino)-riboflavin; Roseoflavine

**Physical Description:** Dark reddish/brown crystalline powder

**Description:** A weak antibacterial agent active against some gram-positive bacteria, especially *Staphylococcus aureus*, *Sarcina lutea*, *Bacillus cereus* and *Bacillus subtilis*. Also exhibits antiriboflavin activity and inhibits the biosynthesis of riboflavin by a repressor mechanism.

**Source:** Synthetic

**Purity:** >97%

**Solubility:** Soluble in DMSO

#### References:

- *J. Antibiot.*, v. **27**, 88 (1974).
- *Flavins Flavoproteins*, Proc. Int. Symp., 5th, 1975, p. 323 (1976).
- *Bioorg, Khim*, v. **3**, 521 (1977).
- Siddiqi, S., et al., *Nucleoside Nucleotides*; EN, 15, 1-3, 693 (1996).