

## Riboflavin

Cat. No. COEC-073

Lot. No. (See product label)

### Introduction

**Description** Riboflavin is a water soluble vitamin involved in the synthesis of flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD). Riboflavin provides protection against oxidative damage.

**Applications** Involved in FMN and FAD synthesis

### Product Information

**Appearance** Powder

**Form** Solid

**CAS No.** 83-88-5

**Molecular  
Formula** C<sub>17</sub>H<sub>20</sub>N<sub>4</sub>O<sub>6</sub>

**Molecular  
Weight** 376.4

**Melting  
Point** 282.2° C (dec.)

**Boiling  
Point** 709.77° C (Predicted)

**Solubility** Soluble in water, absolute ethanol (45 µg/ml at 27° C), and DMSO. Insoluble in acetone, and chloroform.

**Refractive  
Index** 1.82

**Density** ~1.86 g/cm<sup>3</sup>