

## 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>