



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

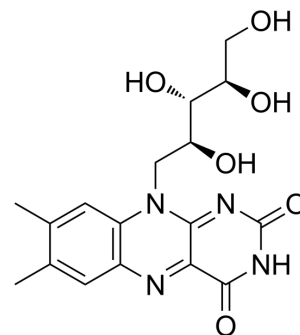
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Riboflavin (Standard)

Cat. No.:	HY-B0456R
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:	376.36
Target:	Endogenous Metabolite; Bacterial
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Riboflavin (Standard) is the analytical standard of Riboflavin. This product is intended for research and analytical applications. Riboflavin, an orally active and easily absorbed micronutrient, is a precursor of flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD), which serve as coenzymes for numerous enzymatic reactions and perform key metabolic functions by mediating the transfer of electrons in biological oxidation-reduction reaction<sup>[1]</sup>.

### REFERENCES

- [1]. Thakur K, et al. Riboflavin and health: A review of recent human research. *Crit Rev Food Sci Nutr*. 2017 Nov 22;57(17):3650-3660.
- [2]. de Souza AC, et al. A promising action of riboflavin as a mediator of leukaemia cell death. *Apoptosis*. 2006 Oct;11(10):1761-71.
- [3]. Xin Z, et al. Riboflavin deficiency induces a significant change in proteomic profiles in HepG2 cells. *Sci Rep*. 2017 Apr 3;7:45861.
- [4]. Agte VV, et al. Effect of riboflavin supplementation on zinc and iron absorption and growth performance in mice. *Biol Trace Elem Res*. 1998 Nov;65(2):109-15.
- [5]. Granados-Soto V, et al. Riboflavin reduces hyperalgesia and inflammation but not tactile allodynia in the rat. *Eur J Pharmacol*. 2004 May 10;492(1):35-40.
- [6]. França DS, et al. B vitamins induce an antinociceptive effect in the acetic acid and formaldehyde models of nociception in mice. *Eur J Pharmacol*. 2001 Jun 15;421(3):157-64.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA