



# 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)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

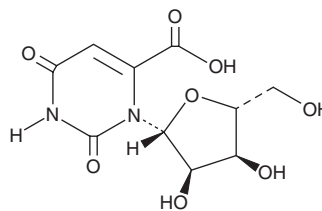
# PRODUCT INFORMATION



## Orotidine

Item No. 36401

**CAS Registry No.:** 314-50-1  
**Formal Name:** 1,2,3,6-tetrahydro-2,6-dioxo-3-β-D-ribofuranosyl-4-pyrimidinecarboxylic acid  
**Synonyms:** Orotic Acid riboside, 6-carboxy Uridine  
**MF:** C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>8</sub>  
**FW:** 288.2  
**Purity:** ≥95%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Orotidine is supplied as a solid. A stock solution may be made by dissolving the orotidine in water. The solubility of orotidine in water is approximately 50 mg/ml. We do not recommend storing the aqueous solution for more than one day.

### Description

Orotidine is a pyrimidine nucleoside composed of ribose and orotic acid.<sup>1</sup> Urine levels of orotidine are increased in rats following administration of the xanthine oxidase inhibitor allopurinol (Item No. 10012597).<sup>2</sup>

### References

1. Berg, J.M., Tymoczko, J.L., and Stryer, L. *Nucleotide biosynthesis*. Biochemistry, 5<sup>th</sup> ed., W.H. Freeman (2002).
2. Brown, G.K., Fox, R.M., and O'Sullivan, W.J. Alteration of quaternary structural behaviour of a hepatic orotate phosphoribosyltransferase-ototidine-5'-phosphate decarboxylase complex in rats following allopurinol therapy. *Biochem. Pharmacol.* **21(18)**, 2469-2477 (1972).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 12/19/2022

#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM