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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

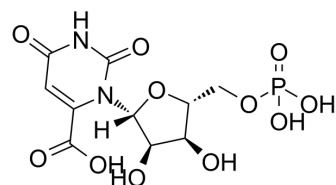
mail@szabo-scandic.com

www.szabo-scandic.com

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

Orotidine 5'-monophosphate

Cat. No.:	HY-N8060
CAS No.:	2149-82-8
Molecular Formula:	C ₁₀ H ₁₃ N ₂ O ₁₁ P
Molecular Weight:	368.19
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Orotidine 5'-monophosphate is a pyrimidine ribonucleoside and plays a role as an endogenous metabolite of human, E. coli or mouse. Orotidine 5'-monophosphate is an intermediate in the biosynthesis of uridine monophosphate (UMP). Orotidine 5'-monophosphate can be used for the study of mechanism of orotidine 5'-monophosphate decarboxylase ^{[1][2]} .
In Vitro	Orotidine 5'-monophosphate is formed from orotate and phosphoribosyl pyrophosphate by the enzyme orotate phosphoribosyltransferase. The enzyme UMP synthase can convert OMP into uridine 5'- monophosphate ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. R Jund, et al. Regulation of orotidylic acid pyrophosphorylase in *Saccharomyces cerevisiae*. *J Bacteriol.* 1972 Jan;109(1):196-202.
- [2]. From Wikipedia. Orotidine 5'-monophosphate

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