



# 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

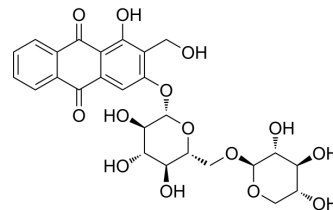
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Lucidin primeveroside

Cat. No.:	HY-N8022
CAS No.:	29706-59-0
Molecular Formula:	C <sub>26</sub> H <sub>28</sub> O <sub>14</sub>
Molecular Weight:	564.49
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Lucidin primeveroside (Lucidin 3-O-β-primeveroside) is an anthraquinone derivative present in madder root, which has been used as a coloring agent and food additive. Lucidin primeveroside can be metabolically converted to genotoxic compound Lucidin, which subsequently forms lucidin-specific DNA adducts<sup>[1][2]</sup>.

#### In Vivo

Lucidin primeveroside (0.3% in the diet; 4 weeks or 13 weeks) induces Lucidin-specific DNA adduct formation and increases mutation frequencies in mice<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yockey OP, et, al. Mechanism of Error-Free DNA Replication Past Lucidin-Derived DNA Damage by Human DNA Polymerase  $\kappa$ . *Chem Res Toxicol*. 2017 Nov 20;30(11):2023-2032.

[2]. Ishii Y, et, al. Effects of inhibition of hepatic sulfotransferase activity on renal genotoxicity induced by lucidin-3-O-primeveroside. *J Appl Toxicol*. 2019 Apr;39(4):650-657.

**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