



# SZABO SCANDIC

Part of Europa Biosite

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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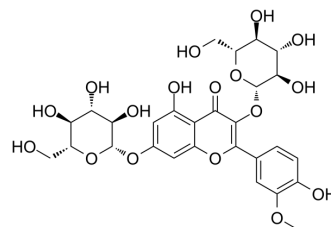
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## Isorhamnetin 3,7-di-O-β-D-glucopyranoside

Cat. No.:	HY-N8196
CAS No.:	6758-51-6
Molecular Formula:	C <sub>28</sub> H <sub>32</sub> O <sub>17</sub>
Molecular Weight:	640.54
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Isorhamnetin 3,7-di-O-β-D-glucopyranoside, a major flavonoid compound, is metabolized in vivo by intestinal bacteria to isorhamnetin and that isorhamnetin plays an important role as an antioxidant <sup>[1]</sup> .								
<b>In Vivo</b>	<p>Isorhamnetin 3,7-di-O-β-D-glucopyranoside (10 or 20 mg/kg of body weight/day for 10 days; p.o.) to rats with streptozotocin-induced diabetes significantly reduced serum levels of glucose and 5-(hydroxymethyl)furfural (5-HMF), which is glycosylated with hemoglobin and is an indicator of oxidative stress<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Wistar rats (5 weeks old, 120-130 g) (STZ-induced diabetic rats had higher glucose and 5-HMF levels than normal rats)<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>10 or 20 mg/kg of body weight</td> </tr> <tr> <td>Administration:</td> <td>P.o.; daily for 10 days</td> </tr> <tr> <td>Result:</td> <td>The serum glucose levels of rats given 10 and 20 mg of orally were 510.1 and 492.4 mg/dL, respectively, whereas the control level was 574.2 mg/dL.</td> </tr> </table>	Animal Model:	Male Wistar rats (5 weeks old, 120-130 g) (STZ-induced diabetic rats had higher glucose and 5-HMF levels than normal rats) <sup>[1]</sup>	Dosage:	10 or 20 mg/kg of body weight	Administration:	P.o.; daily for 10 days	Result:	The serum glucose levels of rats given 10 and 20 mg of orally were 510.1 and 492.4 mg/dL, respectively, whereas the control level was 574.2 mg/dL.
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### REFERENCES

[1]. Yokozawa T, et al. Antioxidant effects of isorhamnetin 3,7-di-O-beta-D-glucopyranoside isolated from mustard leaf (*Brassica juncea*) in rats with streptozotocin-induced diabetes. *J Agric Food Chem.* 2002;50(19):5490-5495.

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

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