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Zuschläge

- Mindermengenzuschlag
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- Gefahrgutzuschlag
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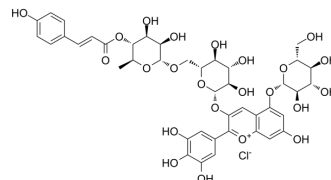
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Nasunin

Cat. No.:	HY-N9396
CAS No.:	28463-30-1
Molecular Formula:	C ₄₂ H ₄₇ ClO ₂₃
Molecular Weight:	955.26
Target:	NF-κB
Pathway:	NF-κB
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Nasunin, an antioxidant anthocyanin, possesses antiangiogenic activity ^[1] .
In Vitro	<p>Nasunin at higher 10 μM suppresses microvessel outgrowth in an ex vivo angiogenesis assay using a rat aortic ring^[1].</p> <p>Nasunin suppresses HUVEC proliferation in a dose-dependent manner (50-200 μM)^[1].</p> <p>Nasunin diminishes LPS-induced nuclear factor-κB (NF-κB) activation by suppressing the degradation of inhibitor of κB-α and nuclear translocation of p65 subunit of NF-κB. Nasunin also attenuates the phosphorylation of Akt and p38, signaling molecules involved in pro-inflammatory mediator production^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

- [1]. Kiminori Matsubara, et al. Antiangiogenic activity of nasunin, an antioxidant anthocyanin, in eggplant peels. *J Agric Food Chem.* 2005 Aug 10;53(16):6272-5.
- [2]. Wataru Komatsu, et al. Nasunin inhibits the lipopolysaccharide-induced pro-inflammatory mediator production in RAW264 mouse macrophages by suppressing ROS-mediated activation of PI3 K/Akt/NF-κB and p38 signaling pathways. *Biosci Biotechnol Biochem.* 2017 O

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

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