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## Product Data Sheet

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Product Name: Nasunin  
Cat. No.: GC69539

### Chemical Properties

Cas. No. 28463-30-1

Formula C<sub>42</sub>H<sub>47</sub>ClO<sub>23</sub> M.Wt 955.26

Solubility Storage 4°C, away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

### Background

Nasunin, an antioxidant anthocyanin, possesses antiangiogenic activity<sup>[1]</sup>.

Nasunin at higher 10 μM suppresses microvessel outgrowth in an ex vivo angiogenesis assay using a rat aortic ring<sup>[1]</sup>.

Nasunin suppresses HUVEC proliferation in a dose-dependent manner (50-200 μM)<sup>[1]</sup>. 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<sup>[1]</sup>.

[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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