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## Product Data Sheet

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Product Name: Myricetin 3-O- $\alpha$ -L-arabinopyranoside

Cat. No.: GC69521

### Chemical Properties

Cas. No. 132679-85-7

Formula C<sub>20</sub>H<sub>18</sub>O<sub>12</sub>

M.Wt

450.35

Solubility

Storage

Store at -20°C

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

Myricetin 3-O- $\alpha$ -L-arabinopyranoside is a quercetin derivative and plant flavonoid with antioxidant, antibacterial and antiurease effects. Myricetin 3-O- $\alpha$ -L-arabinopyranoside inhibits A2E photooxidation-induced RPE cell death. Myricetin 3-O- $\alpha$ -L-arabinopyranoside is protective against retinal degeneration and protects against blue light (BL)-induced damage in RPE cells and mouse models<sup>[1]</sup>.

[1]. Kim J , et al. Quercetin-3-O- $\alpha$ -l-arabinopyranoside protects against retinal cell death via blue light-induced damage in human RPE cells and Balb-c mice. Food Funct. 2018 Apr 25;9(4):2171-2183.

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

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