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**Product Data Sheet**

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Product Name: Amaroswerin

Cat. No.: GC68649

**Chemical Properties**

Cas. No. 21233-18-1

Formula C<sub>29</sub>H<sub>30</sub>O<sub>14</sub> M.Wt 602.54

Solubility Storage 4°C, protect from 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**

Amaroswerin is a bioactive secoiridoid glucoside from *Swertia mussotii*. Amaroswerin has anti-inflammatory, antidiabetic, antiviral, anticholinergic and immunomodulatory activities. Amaroswerin inhibits NO release with an **IC<sub>50</sub>** value of 5.42 µg/mL

in RAW264.7 cells<sup>[1]</sup>.

[1]. Yuan Xiang, et al. Anti-inflammatory activity of compounds isolated from *Swertia mussotii*. *Nat Prod Res.* 2019 Feb;33(4):598-601.

[2]. Satyendra Suryawanshi, et al. Assessment of systemic interaction between *Swertia chirata* extract and its Bioactive constituents in rabbits. *Ptother Res.* 2009 Jul;23(7):1036-8.

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

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