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## Product Data Sheet

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Product Name: Ombuoside

Cat. No.: GC60277

**Chemical Properties**

Cas. No. 20188-85-6

SMILES O=C1C(O[C@@H]([C@@H]([C@H]2O)O)O[C@@H]([C@H]2O)CO[C@H](O[C@H]3C)[C@@H]([C@@H]([C@H]3O)O)O)=C(C(C=C4)=CC(O)=C4OC)OC5=CC(OC)=CC(O)=C15

Formula C<sub>29</sub>H<sub>34</sub>O<sub>16</sub>

M.Wt 638.57

Solubility DMSO : 50 mg/mL (78.30 mM; Need ultrasonic)

Storage

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**

Ombuoside is a glycoside ombuoside isolated from *Gynostemma pentaphyllum*. Ombuoside has antimicrobial activity against several strains of gram-positive and gram-negative bacteria and the yeast *Candida albicans*[1]. Ombuoside has antioxidant effects by scavenging free radicals and ROS[2].

[1]. J M Amaro-Luis, et al. Isolation, Identification and Antimicrobial Activity of Ombuoside From *Stevia Triflora*. *Ann Pharm Fr.* 1997;55(6):262-8. [2]. Uchralaikhana Davaasambuu, et al. Ombuoside From *Gynostemma Pentaphyllum* Protects PC12 Cells From L-DOPA-Induced Neurotoxicity. *Planta Med*

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

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