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**Product Data Sheet**

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Product Name: Maohuoside A

Cat. No.: GC60239

**Chemical Properties**

Cas. No. 128988-55-6

SMILES O=C1C(O)=C(C2=CC=C(OC)C=C2)OC3=C(CCC(C)(O)C)C(O[C@H]4[C@@H]([C@H]([C@@H]([C@@H](CO)O4)O)O)O)=CC(O)=C13Formula C<sub>27</sub>H<sub>32</sub>O<sub>12</sub>

M.Wt

548.54

Solubility

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**

Maohuoside A, a single compound isolated from the E. koreanum that potently promotes osteogenesis. Maohuoside A enhances the osteogenesis of bone marrow-derived mesenchymal stem cells via bone morphogenetic protein (BMP) and MAPK signaling pathways[1][2].

[1]. Ming Cai, et al. Maohuoside A Acts in a BMP-dependent Manner During Osteogenesis. *Phytother Res.* 2013 Aug;27(8):1179-84. [2]. Lei Yang, et al. Maohuoside A Promotes Osteogenesis of Rat Mesenchymal Stem Cells via BMP and MAPK Signaling Pathways. *Mol Cell Biochem.* 2011 Dec;358(1-2):37-44.

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

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