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## Product Data Sheet

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Product Name: Gypenoside XLVI

Cat. No.: GC36206

**Chemical Properties**

Cas. No. 94705-70-1

SMILES CC12C(CC(O)C3C2(CCC3C(CC/C=C(C)/C)(C)OC4OC(C(O)C(O)C4O)CO)C)C5(C(C(C)(C(OC6C(C(C(O)C(CO)O6)O)OC7OC(C(O)C(O)C7O)CO)C(O)C5)C)CC1)C

Formula C<sub>48</sub>H<sub>82</sub>O<sub>19</sub> M.Wt 963.15

Solubility Soluble in DMSO 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**

Gypenoside XLVI is one of the major dammarane-type triterpenoid saponins from *Gynostemma pentaphallum*[1]. Gypenoside XLVI has a tetracyclic triterpene structure and possess potent non-small cell lung carcinoma A549 cell inhibitory activity[2].

[1]. Zheng Y , et al. Gynosaponin TN-1 producing from the enzymatic conversion of gypenoside XLVI by naringinase and its cytotoxicity on hepatoma cell lines. *Food Chem Toxicol.* 2018 Sep;119:161-168. [2]. Zhang L , et al. Simultaneous determination of gypenoside LVI, gypenoside XLVI, 2 $\alpha$ -OH-protopanaxadiol and their two metabolites in rat plasma by LC-MS/MS and its application to pharmacokinetic studies. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2015 Nov 15;1005:9-16.

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

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