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**Product Data Sheet**


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Product Name: Ilexsaponin B2

Cat. No.: GC60199

**Chemical Properties**

Cas. No. 108906-69-0

SMILES OC([C@]12[C@]([C@](O)([C@@H](C)CC2)C)([H])C3=CC[C@@]([C@@]4([C@@](C(C)([C@@H](O[C@@]5([H])[C@@H]([C@H]([C@H](O)CO5)O)O[C@@]6([H])[C@@H]([C@H]([C@H](O)[C@@H](CO)O6)O)O[C@@]7([H])[C@@H]([C@@H]([C@@H](O)[C@H](C)O7)O)O)CC4)C)([H])CC8)C)([H])[C@]8(C)[C@]3(C)CC1)=O

Formula C<sub>47</sub>H<sub>76</sub>O<sub>17</sub>

M.Wt

913.1

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**

Ilexsaponin B2 is a saponin isolated from the root of *Ilex pubescens* Hook. et Arn. Ilexsaponin B2 is a potent phosphodiesterase 5 (PDE5) and PDEI inhibitor with IC<sub>50</sub> values of 48.8 μM and 477.5 μM, respectively[1].

[1]. Zichen Liu, et al. Rapid Screening of Potential Phosphodiesterase Inhibitors From the Roots of *Ilex pubescens* Hook. Et Arn. Using a Combination of Ultrafiltration and LC-MS. Evid Based Complement Alternat Med. 2017;2017:2749643.

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

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