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**Product Data Sheet**

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Product Name: Estriol 3- $\beta$ -D-Glucuronide (sodium salt)

Cat. No.: GC43630

**Chemical Properties**

Cas. No. 15087-06-6

SMILES O[C@H]1[C@H](O)C[C@@]2([H])[C@]([C@]3([H])CC[C@@]21C)([H])CCC4=C3C=CC(O[C@H]5[C@H](O)[C@@H](O)[C@H](O)[C@@H](C(O)=O)O5)=C4.[Na]

Formula C<sub>24</sub>H<sub>32</sub>O<sub>9</sub>•Na M.Wt 487.5

Solubility DMSO: slightly soluble, Methanol: slightly soluble 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**

Estriol 3- $\beta$ -D-glucuronide is a metabolite of estriol . It is formed from estriol by the UDP-glucuronosyltransferase (UGT) isoform UGT1A10. Estriol 3- $\beta$ -D-glucuronide binds to basolateral and canalicular liver plasma membranes with K<sub>d</sub> values of 85 and 164  $\mu$ M, respectively. It competitively inhibits the hydrolysis of 4-methylumbelliferyl- $\beta$ -D-glucuronide and is a substrate for hydrolysis by Klotho-human IgG1 Fc protein (KLFc).

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

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