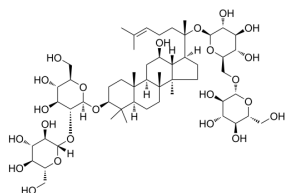


## Certificate of Analysis

<b>Product Name:</b>	Ginsenoside Rb1
<b>Cat. No.:</b>	CS-3829
<b>CAS No.:</b>	41753-43-9
<b>Batch No.:</b>	142869
<b>Chemical Name:</b>	$\beta$ -D-Glucopyranoside, (3 $\beta$ , 12 $\beta$ )-20-[(6-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-glucopyranosyl)oxy]-12-hydroxydammar-24-en-3-yl 2-O- $\beta$ -D-glucopyranosyl-

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>54</sub> H <sub>92</sub> O <sub>23</sub>
<b>Molecular Weight:</b>	1109.29
<b>Storage:</b>	Storage temp. 2-8°C
<b>Chemical Structure:</b>	



### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>MS:</b>	Consistent with structure
<b>Purity (HPLC):</b>	98.75%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

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

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