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Certificate of Analysis

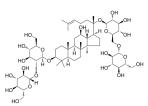
Ginsenoside Rb1

Cat. No.:	HY-N0039
CAS No.:	41753-43-9
Batch No.:	142869
Chemical Name:	β-D-Glucopyranoside, (3β,12β)-20-[(6-O-β-D-glucopyranosyl-β-D-glucopyranosyl)oxy]-12-hydro
	xydammar-24-en-3-yl 2-O-β-D-glucopyranosyl-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{54}H_{92}O_{23}$		
Molecular Weight:	1109.29		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (HPLC):	98.75%
Conclusion:	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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