

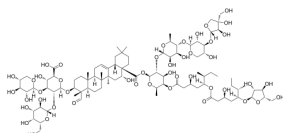
## QS-21

**Cat. No.:** HY-101092  
**CAS No.:** 141256-04-4  
**Batch No.:** 344230  
**Chemical Name:**  $\beta$ -D-Glucopyranosiduronic acid, (3 $\beta$ ,4 $\alpha$ ,16 $\alpha$ )-28-[[O-D-apio- $\beta$ -D-furanosyl-(1 $\rightarrow$ 3)-O- $\beta$ -D-xylopyranosyl-(1 $\rightarrow$ 4)-O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)-4-O-[5-[[5-( $\alpha$ -L-arabinofuranosyloxy)-3-hydroxy-6-methyl-1-oxooctyl]oxy]-3-hydroxy-6-methyl-1-oxooctyl]-6-deoxy- $\beta$ -D-galactopyranosyl]oxy]-16-hydroxy-23,28-dioxoolean-12-en-3-yl O- $\beta$ -D-galactopyranosyl-(1 $\rightarrow$ 2)-O-[ $\beta$ -D-xylopyranosyl-(1 $\rightarrow$ 3)]-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>92</sub>H<sub>148</sub>O<sub>46</sub>  
**Molecular Weight:** 1990.13  
**Storage:** Powder      -20°C      3 years  
                                  In solvent      -80°C      6 months  
                                                                       -20°C      1 month

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to light yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (HPLC):** 99.14%  
**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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