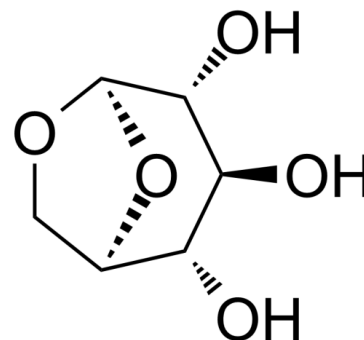


Data Sheet

Product Name:	Levogluconan
Cat. No.:	CS-W023160
CAS No.:	498-07-7
Molecular Formula:	C ₆ H ₁₀ O ₅
Molecular Weight:	162.14
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Solubility:	DMSO : 100 mg/mL (616.75 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Levogluconan (1,6-Anhydro-β-D-glucopyranose) is an anhydrosugar produced through glucan pyrolysis and is widely found in nature [1]. **In Vitro:** Monosaccharide anhydrides, such as levogluconan (1,6-anhydro-β-D-glucopyranoside; LG), mannosan, and galactosan, are generated from the burning of cellulose and hemicellulose[1].

References:

[1]. Kuritani Y, et al. Conversion of levogluconan into glucose by the coordination of four enzymes through oxidation, elimination, hydration, and reduction. Sci Rep. 2020;10(1):20066. Published 2020 Nov 18.

CAIndexNames:

β-D-Glucopyranose, 1,6-anhydro-

SMILES:

O[C@@H]1[C@@H]2O[C@H]([C@@H]([C@H]1O)O)OC2

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

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