

Title (en)

Method of preparing ascorbic acid and intermediates specially adapted for use therein.

Title (de)

Verfahren zur Herstellung von Ascorbinsäure und speziell für dieses Verfahren geeignete Zwischenprodukte.

Title (fr)

Procédé de préparation de l'acide ascorbique et intermédiaires spécialement adaptés à la mise en oeuvre de ce procédé.

Publication

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Application

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Priority

US 80302077 A 19770603

Abstract (en)

The invention relates to a process for preparing ascorbic acid in which (a) gulono-, galactono-, idono- or talono-1,4-lactone is reacted with at least one hydroxyl-protecting reagent so as to protect the free hydroxyl groups in the 5-, 6- and either the 2- or 3- positions, or, reacting gulono- or idono-1,4-lactone with at least one hydroxyl-protecting reagent so as to protect the free hydroxyl groups in the 3-, 5- and optionally the 6- positions (b) oxidizing the free hydroxyl group at the 2- or 3- position to oxidize it to an oxo group and (c) hydrolyzing the compound formed in (b) to ascorbic acid. Certain novel intermediates useful in the above process are also covered.

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IPC 8 full level

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Citation (search report)

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- CHEMICAL ABSTRACTS 70 (1969) 4455v. & Chem. Pharm Bull. (Tokyo), 1968, 16 (7), 1294-9

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