

Title (en)

SYSTEMS AND METHODS FOR GENERATION OF ASCORBIC ACID WITH REDUCED COLOR

Title (de)

SYSTEME UND VERFAHREN ZUR HERSTELLUNG VON ASCORBINSÄURE MIT GERINGERER FÄRBUNG

Title (fr)

SYSTEMES ET PROCEDES DE GENERATION D'UN ACIDE ASCORBIQUE A COULEUR REDUITE

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Application

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Abstract (en)

[origin: WO03031427A1] The present invention describes the synthesis of ascorbic acid with reduced color. The present invention employs palladium catalysts for the synthesis of ascorbic acid from 2-keto-gulonic acid or derivatives of 2-keto-gulonic acid. The palladium catalyst may include an inert support such as, but not limited to, carbon or barium sulfate. Unlike other palladium catalysts, the catalyst of the present invention is active under aqueous conditions suitable for ascorbic acid synthesis. Also described are systems for the conversion of 2-keto-gulonic acid or derivatives of 2-keto-gulonic acid to ascorbic acid in the presence of a solid palladium catalyst and ascorbic acid of reduced color made by the methods of the present invention.

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