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(54) Title: CHLORINATION OF CARBOHYDRATES AND CARBOHYDRATE DERIVATIVES

(57) Abstract: Disclosed is a method for chlorinating a carbohydrate or a derivative thereof to produce a polychlorinated carbo-
hydrate or a derivative thereof, such as sucralose, the method involves (i) reacting the carbohydrate or derivative thereof with a
chlorinating agent to obtain a reaction mixture comprising said polychlorinated carbohydrate or derivative thereof and at least one
under-chlorinated carbohydrate or derivative thereof, (ii) returning the at least one under-chlorinated carbohydrate or derivative
thereof to a chlorinating step and further chlorinating the at least one under-chlorinated carbohydrate or derivative thereof to obtain
the desired polychlorinated carbohydrate or derivative thereof; and (iii) optionally repeating steps (i) and (ii) "n" times where $n \geq 1$.
The polychlorinated carbohydrate or a derivative thereof is obtained in high yields.

