

Title (en)
SUBSTITUTED LACTOSE DERIVATIVES AS CELL ADHESION INHIBITORS.

Title (de)
SUBSTITUTIERTE LACTOSADERIVATE ALS INHIBITOREN ZELLADHÄSION.

Title (fr)
DERIVES DE LACTOSE SUBSTITUES UTILISES COMME INHIBITEURS D'ADHESION CELLULAIRE.

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Application
EP 93916790 A 19930625

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• US 91070992 A 19920629

Abstract (en)
[origin: WO9400477A1] Compounds and methods of making them having formula (I) are described which bind to selectin receptors and thus modulate the course of inflammation, cancer and related diseases by modulating cell-cell adhesion events. In formula (I), R1 is independently H or lower alkyl(1-4C); R2 is H, OH or lower alkyl(1-4C), alkylaryl or one or more additional saccharide residues; R3 is a negatively charged moiety including SO4--, PO4--, or related group; Y is H or lower alkyl(1-4C); and X is -CHR4(CHOR1)2CHR5OR1 wherein R4 and R5 are each independently H, lower alkyl(1-4C), or taken together result in a five- or six-membered ring optionally containing a heteroatom selected from the group consisting of O, S, and NR1; said five- or six-membered ring optionally substituted with one substituent selected from the group consisting of R1, CH2OR1, OR1, OOCR1, NR12, NHCOR1, and SR1 with the proviso that if X represents a hexose substituent R3 and R4, taken together, cannot provide a hexose substituent.

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