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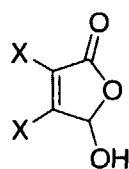
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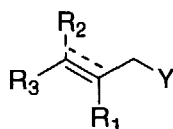
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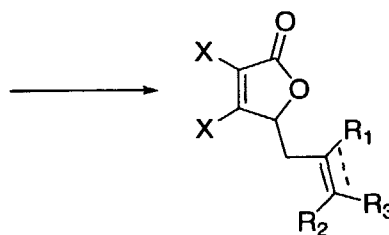
(54) Title: PROCESS FOR PREPARING FUNCTIONALIZED γ -BUTYROLACTONES FROM MUCOHALIC ACID



(1)



(2)



(3)

(57) Abstract: A process for preparing functionalized γ -butyrolactones 3 and various biologically active compounds using mucosalic acid 1 and halide 2 in the presence of indium is disclosed, wherein X, Y, R1, R2, and R3 may have any of the meanings defined herein.