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ERRATUM

The following manuscript was first published in the 8 (4) issue, pp 579-588 (1989). A page of the original **Experimental** was deleted in the original published version. The complete manuscript is printed here.

SYNTHETIC STUDIES ON SIALOGLYCOCONJUGATES 7:

SYNTHESIS OF N-ACETYLNEURAMINIC ACID DERIVATIVES AND ANALOGS

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ABSTRACT

Various types of the O-protected derivatives and the 9-bromo analogs of methyl [2-(trimethylsilyl)ethyl 5-acetamido-3,5-dideoxy-D-glycero- $\alpha$ -D-galacto-2-nonulopyranosid]onate were synthesized from methyl [2-(trimethylsilyl)ethyl 5-acetamido-4,7-di-O-acetyl-3,5-dideoxy-D-glycero- $\alpha$ -D-galacto-2-nonulopyranosid]onate (1) or methyl [2-(trimethylsilyl)ethyl 5-acetamido-8,9-di-O-isopropylidene-D-glycero- $\alpha$ -D-galacto-2-nonulopyranosid]onate (3).

INTRODUCTION

Recently, many kinds of biological functions<sup>1-3</sup> of sialoglycoconjugates such as gangliosides and glycoproteins have been revealed. In order to elucidate the structure-function relationship of gangliosides, synthesis of a variety of gangliosides and their various types of analogs are necessary. Naturally occurring sialo-compounds contain sialic acids in an  $\alpha$ -glycosidic linkage<sup>4</sup> at the C-3 or C-6 position of galactose moiety, at C-6 of the glucose, N-acetylglucosamine or N-acetylgalactosamine moiety, and at the C-8 or C-9 position of the sialic acid skeleton.