

25. Preparation of Dibranched Complex Type Oligosaccharide Libraries and Sialylglycopeptide Synthesis

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We have found a convenient preparation method of diverse Asn-oligosaccharides on a gram scale and its application method for the synthesis of glycopeptides (*Angew. Chem Int. Ed.* 42 (22), 2537-2540, (2003); *Chemistry Eur. J.* 10 (4), 971-985 (2004)).

Our strategy for solid phase glycopeptide synthesis uses Fmoc-asparagine linked oligosaccharides of which hydroxyl groups are free. We established first time the synthesis of large glycopeptide having pure complex type sialyloligosaccharides on the peptide backbone.