

3. Synthesis of *N*-(9-Fluorenylmethoxycarbonyl)-(2-acetamido-2-deoxy-3,4,6-tri-*O*-acetyl- β -D-glucopyranosyl)-L-serine t-butyl ester

A solution of *N*-(9-fluorenylmethoxycarbonyl)-L-serine t-butyl ester (96 mg, 0.25 mmol) in “extra dry” 1,2-dichloroethane (5.0 mL) was cooled to 0°. The silver triflate (0.55 mmol) was added and stirred for 10 min at 0°.

A solution of 2-acetamido-2-deoxy-3,4,6-tri-*O*-acetyl- α -D-glucopyranosyl chloride (181 mg, 0.50 mmol) in 2.0 mL of “extra dry” 1,2-dichloroethane was added dropwise and stirred on magnetic stirrer for 1 h at the temperature 0° and for 16 h at the room temperature.

Reaction was monitored by a thin-layer chromatography (TLC): toluene:ethyl acetate (1:1).

The reaction mixture was washed with *N*-ethyldiisopropylamine (0.1 mL) and concentrated (with small amount of toluene) and the residue was purified by a silica gel column chromatography [eluent:EtOAc–Hex (7:3)].

The *N*-(9-Fluorenylmethoxycarbonyl)-(2-acetamido-2-deoxy-3,4,6-tri-*O*-acetyl- β -D-glucopyranosyl)-L-serine t-butyl ester was obtained (119 mg).