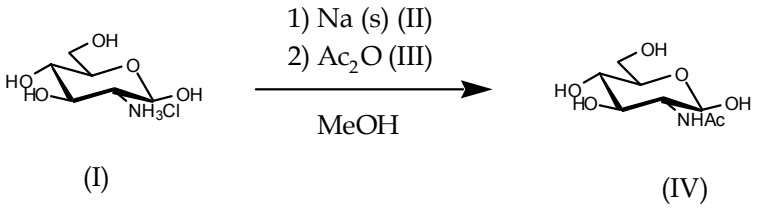
TITLE COMPOUND: GlcNAc	Carb ID: CarbSynthe000001D000		PAGE: 1
Production ID: CarbSynthe000001S2-5120301	MW: 329.3	DATE: 12/03/01	CON'T FROM

REACTION/STRUCTURE:



REAGENTS (VENDOR)	MW	WEIGHT	mMOL	DENSITY	VOLUME	EQV.
I Glucosamine (sigma)	215.6	305g	1414			1
II Na (s)	23.0	36.1	1570			1.1
III Acetic anhydride	102.1	158.8	1560	1.08	147mL	1.1
IV						
V						
VI						
VII						
VIII						
IX						

Equipments: 2L flask, glass filter, stir plate

PROCEDURE:

Anhydrous MeOH (1.25L) was added to in a 2L E-flask and cooled in an icebath. Petroleumether washed II (36.1g, 1.57 mol) was slowly added (1-2 hrs) during stirring at 0˚C until completely dissolved. I (305g, 1.414 mol) was added and the mixture was stirred at r.t. for 15 minutes. Precipitated NaCl was filtered of and washed with MeOH (2x200mL) NOTE: do not use more MeOH for washing. III (147 mL, 1.56 mol) was added to the filtrate and stirred gently. Temperature was controlled by icebath. When all anhydride added the flask was left at r.t. for 1 hr during crystallization. Productr was filtered of and washed with MeOH-Ether (1:3, 250 mL) amd ether (500mL). Crystals were air dried and then by vacuum over night. Gave 256.4g white powder (82%).

TLC: :

SAFETY:

Cover icebath with aluminum foil when adding sodium metal.

REFERENCES :

Eklind, K et al *J. Carbohydr. Chem*. (1996) 15 (9), 1161-78

NAME:	NMR NO:	MS NO:	PURITY:	YIELD:
Ola Blixt			>99%	82%