

Chemistry 380 Derivative Report

Sample: Unknown II Unknown III Med-1 Med-2 Med-3

Exact reaction carried out (indicate proposed structures of both reactant and product):

Reaction reference: _____

Molecular Formula: Molecular Weight:

MP BP _____ to _____

Literature MP or BP: _____ Reference: _____

IR (attach photocopy. Identify at least three or four peaks.)

wavenumber	description	assignment
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^1H NMR (attach photocopy. Identify any new peaks and changes due to derivitization.)

Structure redrawn with all sets of H nuclei shown and labeled:

δ (ppm)	integral	splitting/coupling	assignment
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Other analyses-- ^{13}C NMR, 2D NMR, GC/MS, optical rotation (attach photocopy and discussion)

Signature: _____

Date _____