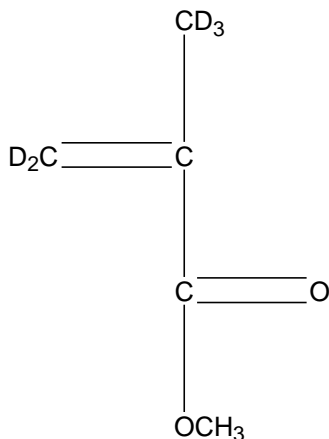


Sample Name: **Deuterated d5 Methylmethacrylate
(back bone deuterated) methyl ester protonated D5**

Sample #: **d5MMA**

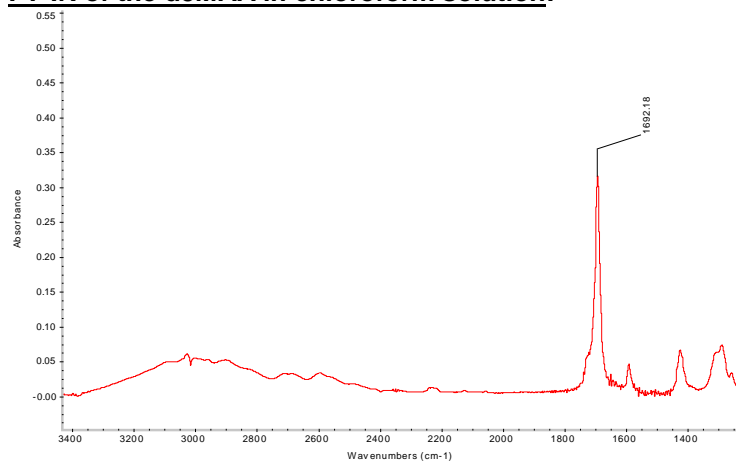


Characterization:

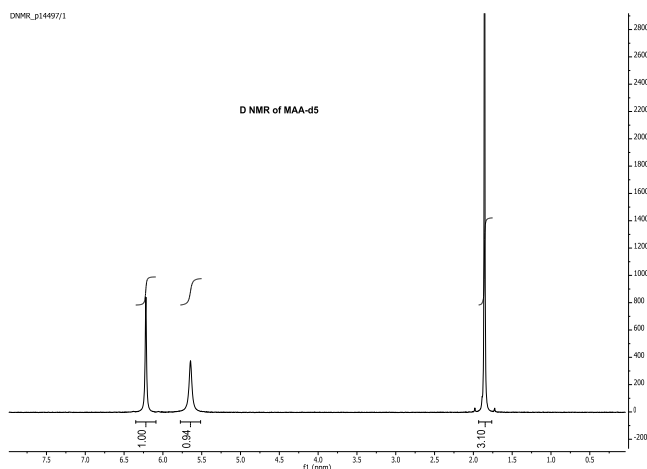
| | |
|-----------------|-------|
| FW | 105.1 |
| Chemical Purity | > 99% |
| D atom purity | > 98% |

D5MAA is obtained from d6 Acetone :
D6Acetone obtained from CIL USA:
Vendor reported values D atom % 99.9 and
Chemical purity > 99.9%
Lot# 9D-517
D % calculated from H NMR of the product
based on CdCl3 D5 99.9%

FT-IR of the d5MAA in chloroform solution:



²D NMR: d5MAA used in the synthesis of D5MMA



**¹H NMR: presence of H analog is based on CdCl3
(H) integration based on D atom % 99.9**

