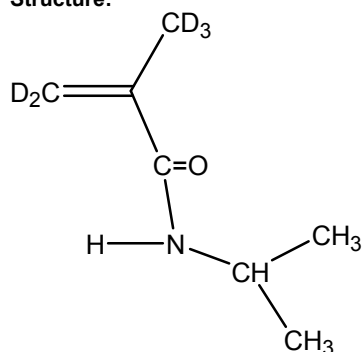


Sample Name: **d5-N-isopropyl methacrylamide**

Sample #: **d5-NIPMAMD (lot# P14362)**

Structure:

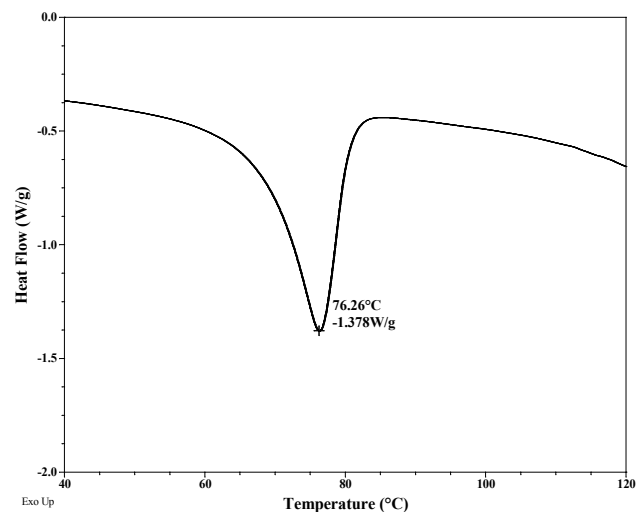


Composition: purity ≥ 98% (from NMR)

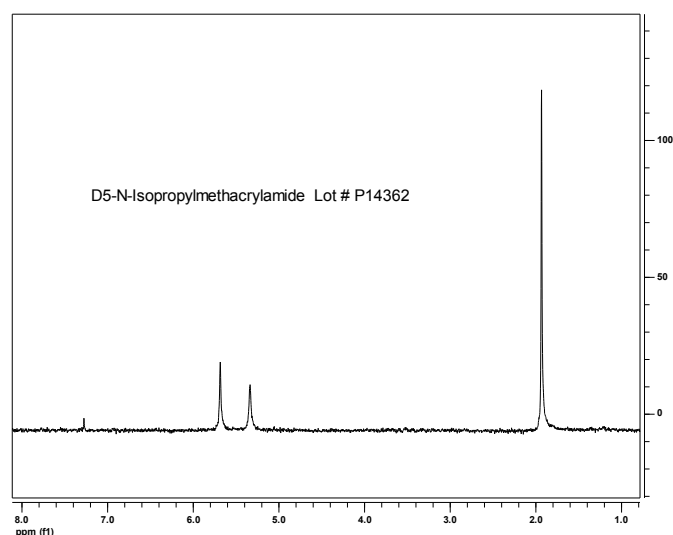
Chemical purity > 99%

Variation of Melting points of such monomer depending on the degree of deuterauion

<u>Chemical Structure</u>	<u>Tm oC</u>	<u>N-isopropyl methacrylamide</u>
<p>NIPMAMD</p>	69.34 oC	<u>No deuteration</u> <u>Protonated</u>
<p>D5 NIPMAMD</p>	76.26 oC	<u>Back bone</u> <u>deuterated</u>
<p>D12 NIPMAMD</p>	88.26 oC	<u>N-isopropyl and</u> <u>back bone</u> <u>Deuterated</u>
<p>D7-NIPMAMD</p>	73.5 oC	<u>N-isopropyl group</u> <u>Deuterated</u>



²H-NMR Spectrum of the product:



Characterization:

The product was characterized by NMR and FTIR.