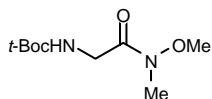
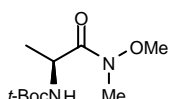


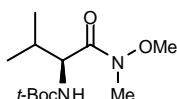
α -Amino Weinreb Amides



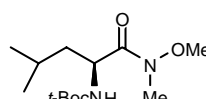
46,512-7



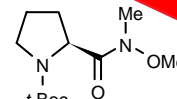
45,845-7



45,846-5



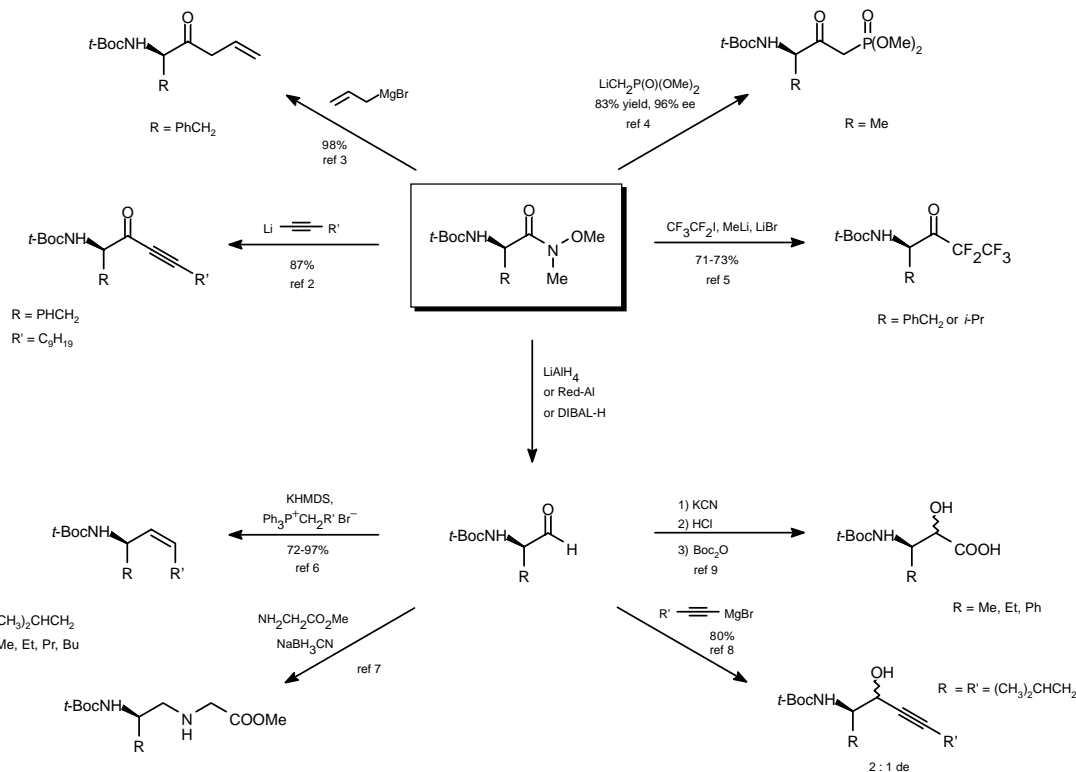
42,383-1



45,885-6

N-Methoxy-*N'*-methylamides of α -amino acids are useful starting materials for the synthesis of chiral molecules.¹ Addition of nucleophiles gives high yields of ketones; overaddition produces little, if any, alcohols. Reduction of the amides with LiAlH₄, DIBAL-H, or Red-Al® produces α -amino aldehydes. Examples in which researchers have utilized these important compounds are shown below.

Aldrich now offers several optically pure, *t*-Boc protected α -amino Weinreb amides and plans to expand this line in the near future. To suggest new Weinreb amides or inquire about other *N*-methoxy-*N'*-methylamides of α -amino acids, please call our Technical Services Department at 800-231-8327.



46,512-7	<i>N</i> -(<i>tert</i> -Butoxycarbonyl)glycine <i>N</i> -methoxy- <i>N'</i> -methylamide, 98%	1g; 5g
45,845-7	<i>N</i> -(<i>tert</i> -Butoxycarbonyl)-L-alanine <i>N</i> -methoxy- <i>N'</i> -methylamide, 98%	1g; 5g
45,846-5	<i>N</i> -(<i>tert</i> -Butoxycarbonyl)-L-valine <i>N</i> -methoxy- <i>N'</i> -methylamide, 97%	1g; 5g
42,383-1	<i>N</i> -(<i>tert</i> -Butoxycarbonyl)-L-leucine <i>N</i> -methoxy- <i>N'</i> -methylamide, 98%	1g; 5g
45,885-6	<i>N</i> -(<i>tert</i> -Butoxycarbonyl)-L-proline <i>N</i> -methoxy- <i>N'</i> -methylamide, 98%	1g; 5g

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