

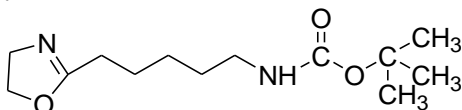
Sample Name: **2-(Boc-5-aminopentyl)-2-oxazoline**

¹H NMR spectrum of the Sample:

Sample ID: **AmOXZ**

Lot # **P43169**

Structure:



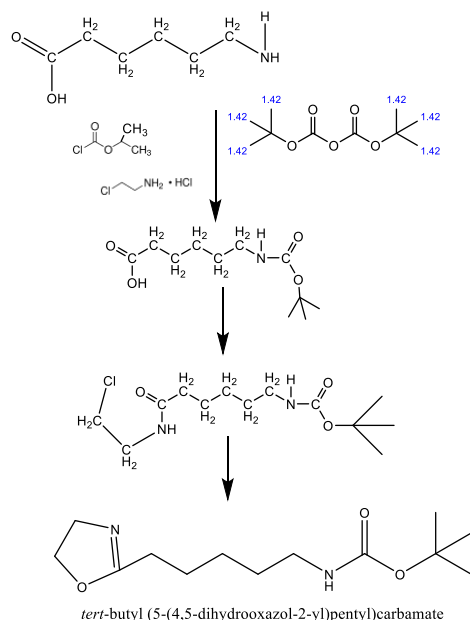
Composition:

Formula	C13H24N2O3
Molecular Weight	256.18
Purity	> 97%

Synthesis:

The monomer was prepared by first treating 6-aminohexanoic acid with Boc anhydride, then coupling the resulted Boc-protected compound with 2-chloroethylammonium chloride, followed by ring closure reaction in DMF.

The following reaction scheme shows how the product was prepared:



2-(N-(Boc-amino)pentyl)-2-oxazoline

Characterization:

The final product was validated by proton ¹H NMR spectroscopy (see figure).

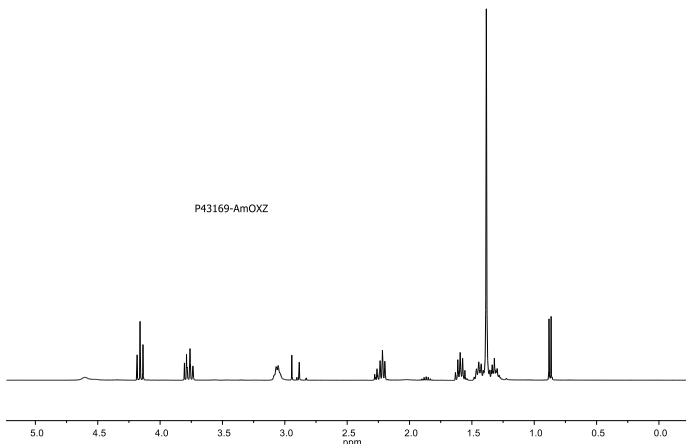


Fig.1: ¹H NMR of the product