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SUPPORTING INFORMATION for :

ON THE CHEMICAL FIXATION OF SUPERCRITICAL CARBON DIOXIDE WITH EPOXIDES CATALYZED BY IONIC SALTS: AN *IN-SITU* FTIR AND RAMAN STUDY

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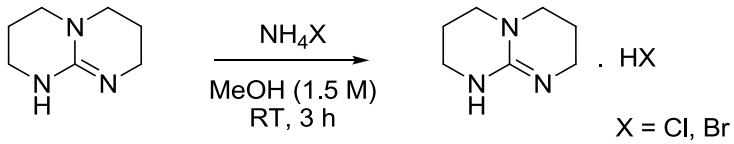
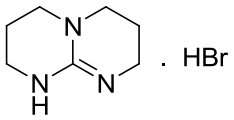
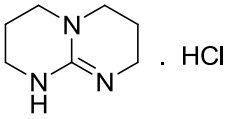
- **General procedure for the the synthesis of guanidinium halides:**



A reported procedure was followed[1]. To a suspension of dry ammonium halide (1.5 mmol) in dry methanol (1 mL) was added TBD (1.5 mmol). The mixture was stirred 3 h at room temperature. After evaporation of the solvent under reduced pressure, the resulting solid was dried overnight under vacuum to afford the corresponding guanidinium halide as a white solid.



Chemical Formula: $C_7H_{14}BrN_3$
Molecular Weight: 220,11



Chemical Formula: $C_7H_{14}ClN_3$
Molecular Weight: 175,66

Reference:

[1] Yang, Z.-Z.; He, L.-N.; Miao, C.-X.; Chanfreau, S. *Adv. Synth. Catal.* **2010**, *352*, 2233-2240.