

**Synthesis of  $\omega$ -Chloroalkyl Aryl Ketones via C–C Bond Cleavage  
of *tert*-Cycloalkanols with Tetramethylammonium Hypochlorite**

Natsumi Hanazawa, Masami Kuriyama,  
Kosuke Yamamoto and Osamu Onomura \*

Graduate School of Biomedical Sciences, Nagasaki University,  
1-14 Bunkyo-Machi, Nagasaki 852-8521, Japan

\* onomura@nagasaki-u.ac.jp

**Supporting Information**

**Table of Contents**

1. $^1\text{H}$ , $^{13}\text{C}[^1\text{H}]$ , and $^{19}\text{F}$ NMR spectra	S2-S13
---	--------

**1.  $^1\text{H}$ ,  $^{13}\text{C}\{^1\text{H}\}$ , and  $^{19}\text{F}$  NMR spectra**























