Synthesis of $\alpha$-Hydroxyacetophenones

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Supporting Information

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NMR Spectra for $\alpha$-Acetoxyacetophenones 2a-k  S2-S12
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Note:

The 13C spectra for compounds 2h, 2i, 3c, 3h, 3i display a peak at 79.6 ppm that is a known instrumental artifact that appears with random phase.
NMR Spectra For α-Acetoxyacetophenones (2):

[Diagram of NMR spectra for α-Acetoxyacetophenones (2)]

S2
**S5**

**Figure S5a**

Chemical shifts and other NMR parameters for compound 2d with spectral data.

**Figure S5b**

Chemical shifts and other NMR parameters for compound 2d with spectral data.
\[
\text{Br} - \text{CO} - \text{OAc} \\
\text{2e}
\]

**metóde e-13**

\[
\text{Br} - \text{CO} - \text{OAc} \\
\text{2e}
\]

**metóde h-1**
OAc

2j

F

OAc

2j

F

S11
NMR Spectra For α-Hydroxyacetophenones (3):

3a
1-bromo-alfa-hydroxyacetophenone

3c

1-bromo-alfa-alpha-aminoacetophenone

3c
Br\[_\text{COOH}\]

3e