Supporting Information
for DOI: 10.1055/s-0029-1217525
© Georg Thieme Verlag KG Stuttgart · New York 2009
Support Information

Synthesis of Furo[3,4-c]furanones via DDQ Treatment of Furo[3,4-c]pyranone Derivatives

Tao Meng, Cyril A. Fuhrer and Robert Häner*

Department of Chemistry and Biochemistry, University of Bern, Freiestrasse 3, CH-3012 Bern, Switzerland

Fax +41(31)6318057; E-mail: robert.haener@ioc.unibe.ch

List of Contents

General Information.....................................................................................................................S-2
Spectra of compound 2...............................................................................................................S-3
Spectra of compound 6a...........................................................................................................S-8
Spectra of compound 6b...........................................................................................................S-10
Spectra of compound 6c...........................................................................................................S-12
Spectra of compound 6d...........................................................................................................S-13
Spectra of compound 6e...........................................................................................................S-14
Spectra of compound 6f...........................................................................................................S-15
Spectra of compound 6g...........................................................................................................S-16
2,3-Dichloro-5,6-dicyano-1,4-benzoquinone (DDQ) was purchased from Sigma-Aldrich. All other chemicals and solvents were purchased from commercial sources and were used without further purification. TLC was carried out with glass pre-coated silica gel GF<sub>254</sub> plates. Spots were visualized under UV light (254 nm and 365 nm). <sup>1</sup>H- and <sup>13</sup>C-NMR: δ values in ppm (solvents signals as internal standard), J [Hz];
$^1$H-NMR spectrum of 2

![H-NMR Spectrum](image)

$^{13}$C-NMR(BB + DEPT135) spectrum of 2

![C-NMR Spectrum](image)
$^1$H–$^1$H COSY spectrum of 2
HSQC spectrum of 2
HMQC spectrum of 2
EI spectrum of 2
$^1$H-NMR spectrum of 6a

El spectrum of 6a
BB + DEPT135 spectrum of 6a
$^1$H-NMR spectrum of 6b

EI spectrum of 6b
BB + DEPT135 spectrum of 6b
$^1$H-NMR spectrum of 6c

EI spectrum of 6c
$^1$H-NMR spectrum of 6d

EI spectrum of 6d
$^1$H-NMR spectrum of 6e

EI spectrum of 6e
$^1$H-NMR spectrum of 6f

EI spectrum of 6f
$^1$H-NMR spectrum of 6g

EI spectrum of 6g
$^{13}$C spectrum of $6g$