

## **One-pot, two-step desymmetrization of symmetrical benzils catalyzed by the methylsulfinyl (Dimesyl) anion**

Daniele Ragno, Olga Bortolini,\* Pier Paolo Giovannini, Alessandro Massi,\* Salvatore Pacifico, and Anna Zaghi

Dipartimento di Scienze Chimiche e Farmaceutiche, Laboratorio di Chimica Organica, Via Fossato  
Via Fossato di Mortara 17, 44121 Ferrara, Italy

E-mail: [olga.bortolini@unife.it](mailto:olga.bortolini@unife.it) - [alessandro.massi@unife.it](mailto:alessandro.massi@unife.it)

### **Electronic Supplementary Information**

Table of content:

<sup>1</sup>H, <sup>13</sup>C, and <sup>19</sup>F NMR of benzoylated benzoin **3**, **7** and benzils **4**

S2





































































































































































