

Reactivity of electrophilic cyclopropanes

Andreas Eitzinger and Armin R. Ofial*

Department Chemie, Ludwig-Maximilians-Universität München,
Butenandtstraße 5–13, 81377 München (Germany)

E-Mail: ofial@lmu.de

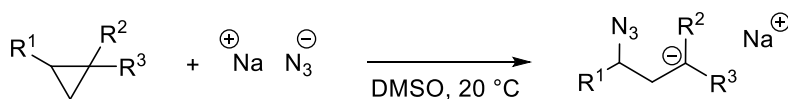
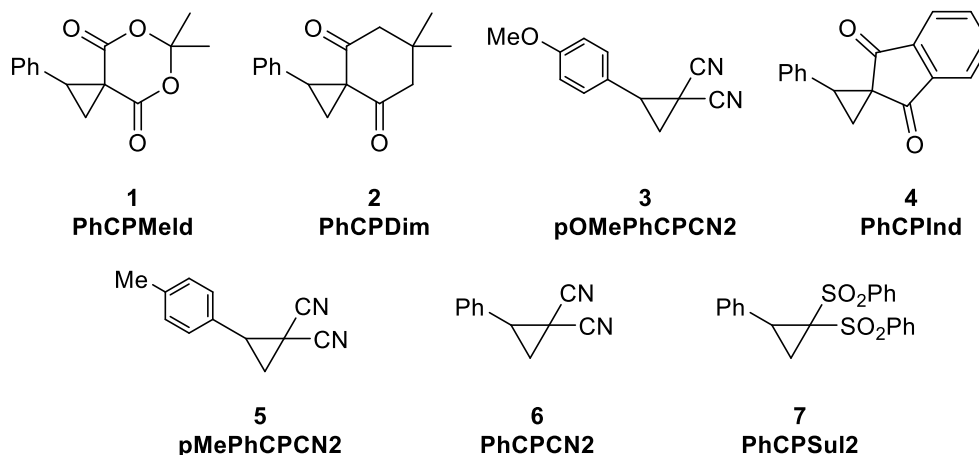
Data storage system:

Folder and file names AEM-xxx refer to individual experiments.

The folders contain

- txt files with voltage vs. time data [raw data]
- fid files with unprocessed NMR data of 2-(2-((4-methoxyphenyl)thio)ethyl)malononitrile [raw data]

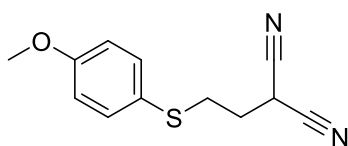
Investigated cyclopropanes and conductometrically monitored ring-opening reactions with sodium azide (NaN₃) in DMSO at 20 °C:



Instrumental details: The conductivity was measured with a Pt electrode (WTW LTA 1/NS) by using the voltage signal [V] of a WTW LF530 conductometer. Temperature control (20.0 ± 0.1 °C) was achieved by use of a circulating bath thermostat.

Initial molar concentrations of azide ions, [N₃], are given in the file names.

NMR spectra were taken from samples of 2-(2-((4-methoxyphenyl)thio)ethyl)malononitrile in CDCl₃ (AEM-080-01_xxxx.fid).



2-(2-((4-methoxyphenyl)thio)ethyl)malononitrile