

**Supporting Material for**  
**The fullerene bromides  $C_{70}Br_n$  ( $n=8, 10, 14$ ) synthesis and identification.**  
**Phase equilibria in the  $C_{70}Br_n$  ( $n=8, 10, 14$ ) – solvent systems.**  
**Konstantin N. Semenov,<sup>†,\*</sup> Nikolai A. Charykov,<sup>‡</sup> Andrey S. Kritchenkov<sup>†</sup>**

<sup>†</sup> Saint-Petersburg State University, St. Petersburg, Russia, 198504, Universitetskii pr. 26; <sup>‡</sup> ILIP Ltd (Innovations of Leningrad Universities and Enterprises), St. Petersburg, Russia, 197022, Instrumentalnaya ul. 6.

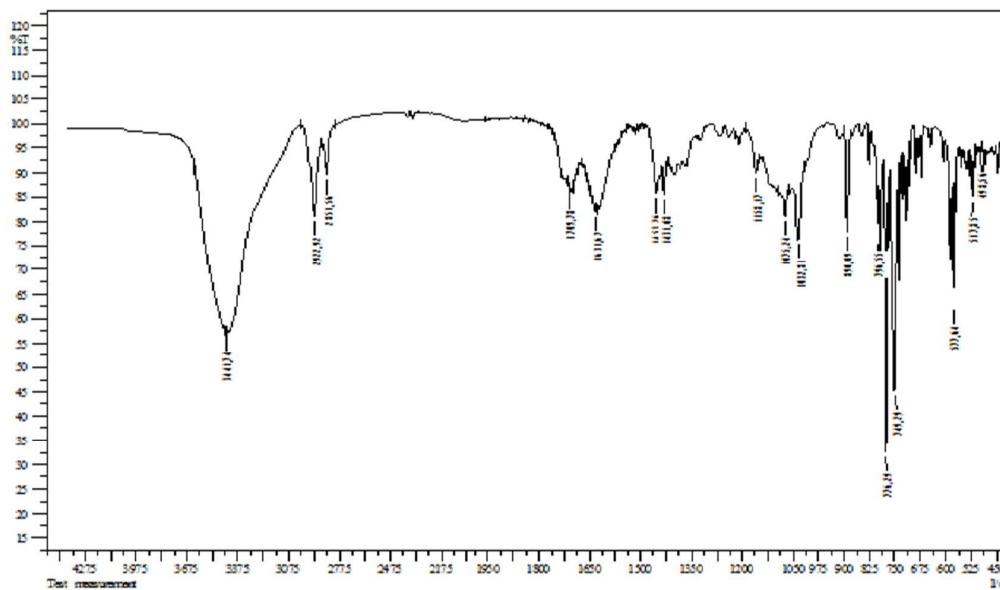


Fig. 1.1

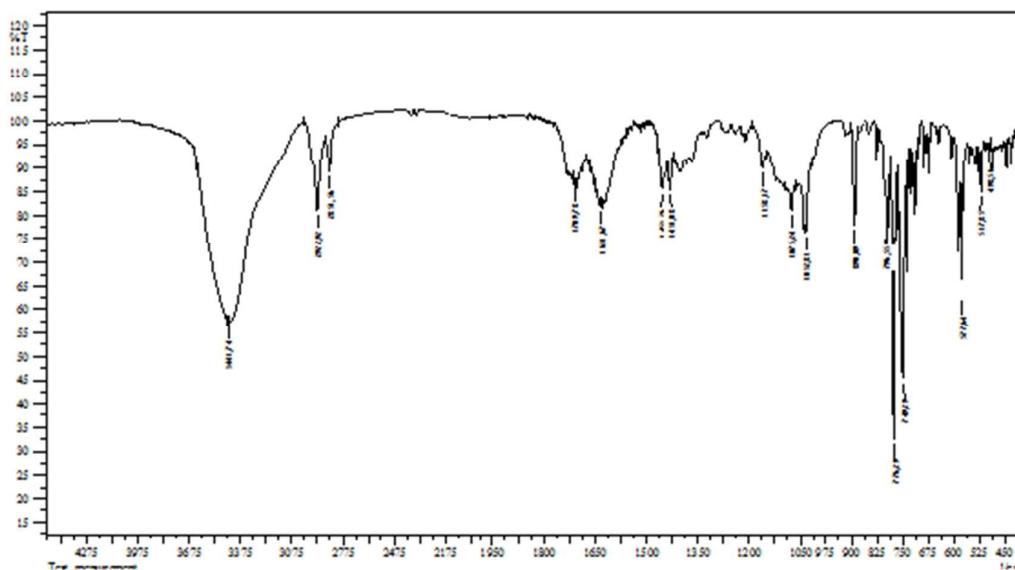


Fig. 1.2

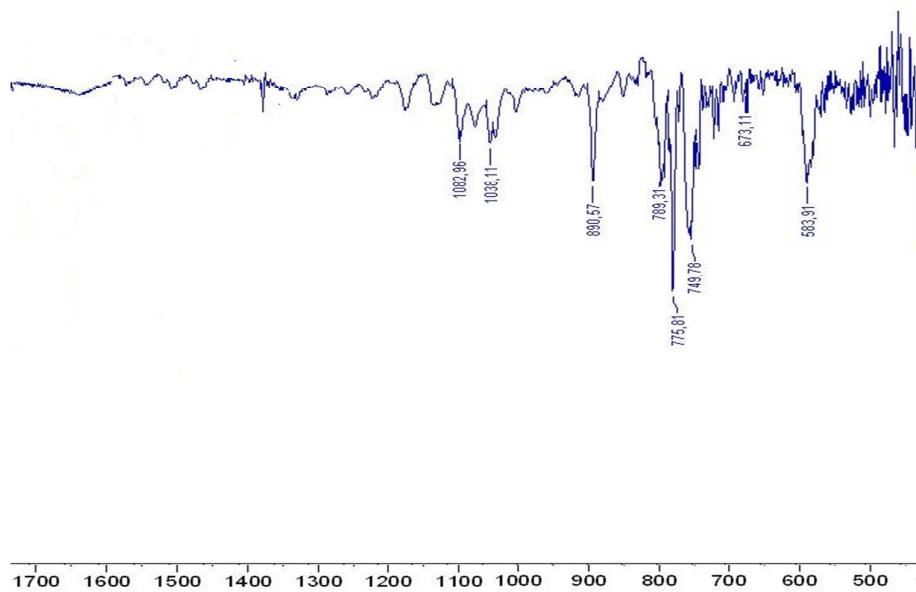


Fig. 1.3

Figure 1. IR spectra of the  $\text{C}_{70}\text{Br}_8$  (1.1),  $\text{C}_{70}\text{Br}_{10}$  (1.2) and  $\text{C}_{70}\text{Br}_{14}$  (1.3).  $\tilde{\nu}$  – wave number ( $\text{cm}^{-1}$ ), T – transmittance (%).