

## Remarkably Stability of Tetrabenzo[*a,c,g,i*]fluorenyl Ammonium Salts in Water: Syntheses, Reactions, and Crystal Structures

Okko N. Frey<sup>a</sup>, Timo Stalling<sup>a</sup>, Florian Schlüter<sup>a</sup>, Wolfgang Saak<sup>a</sup>, Marc Schmidtman<sup>a</sup>, Detlev Haase<sup>a</sup> and Rüdiger Beckhaus<sup>a,\*</sup>

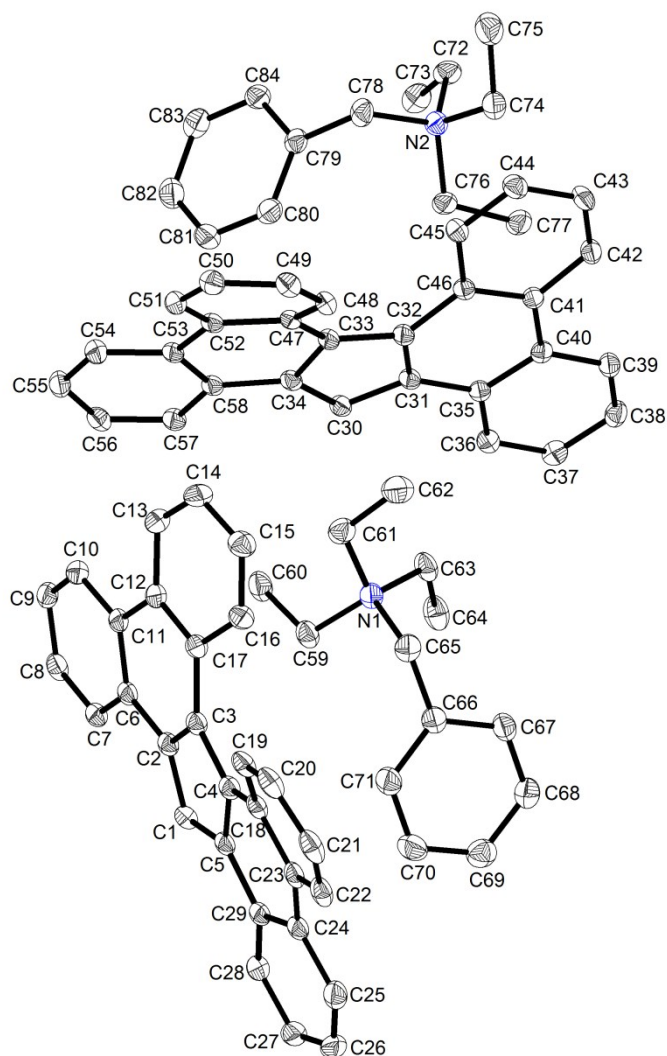
<sup>a</sup> Institute of Chemistry, University of Oldenburg, 26111 Oldenburg, Germany

### 1. Electronic Supplementary Information (ESI)

#### 1.1 X-ray plots of **2d**

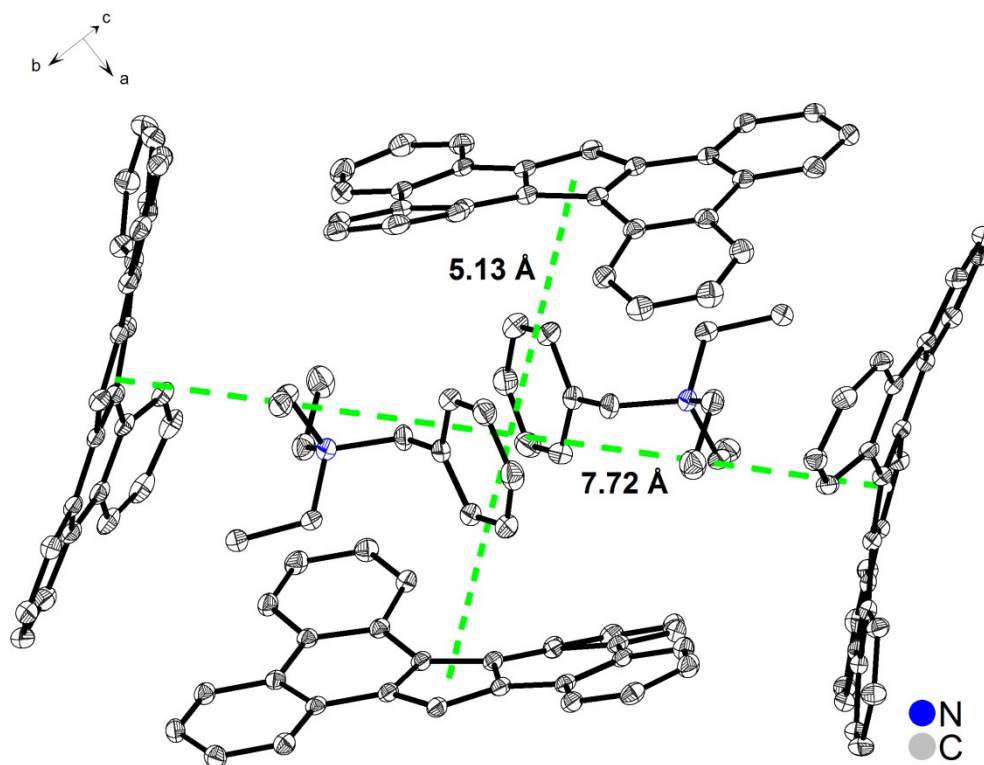
1.1.1 ORTEP plot of the solid-state molecular structure of **2d** (two crystallographic independent ion pairs are given)

Hydrogen atoms are omitted for clarity; thermal ellipsoids are drawn at the 50% probability level.



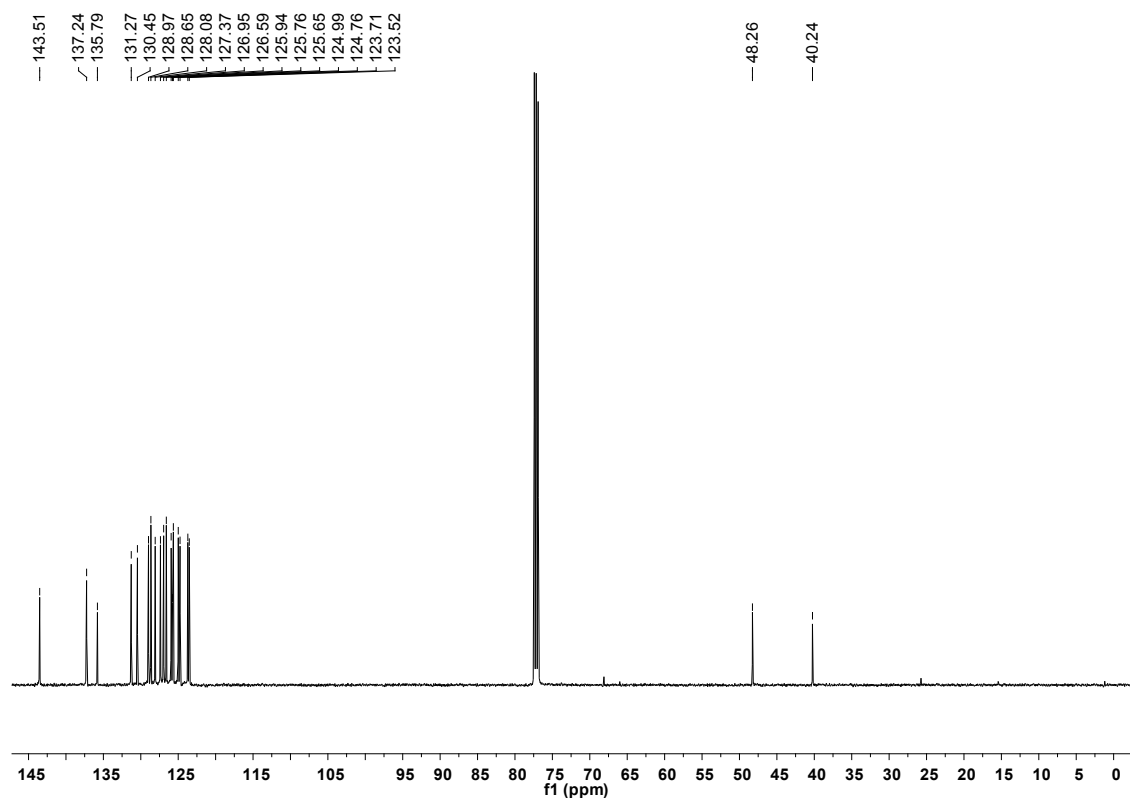
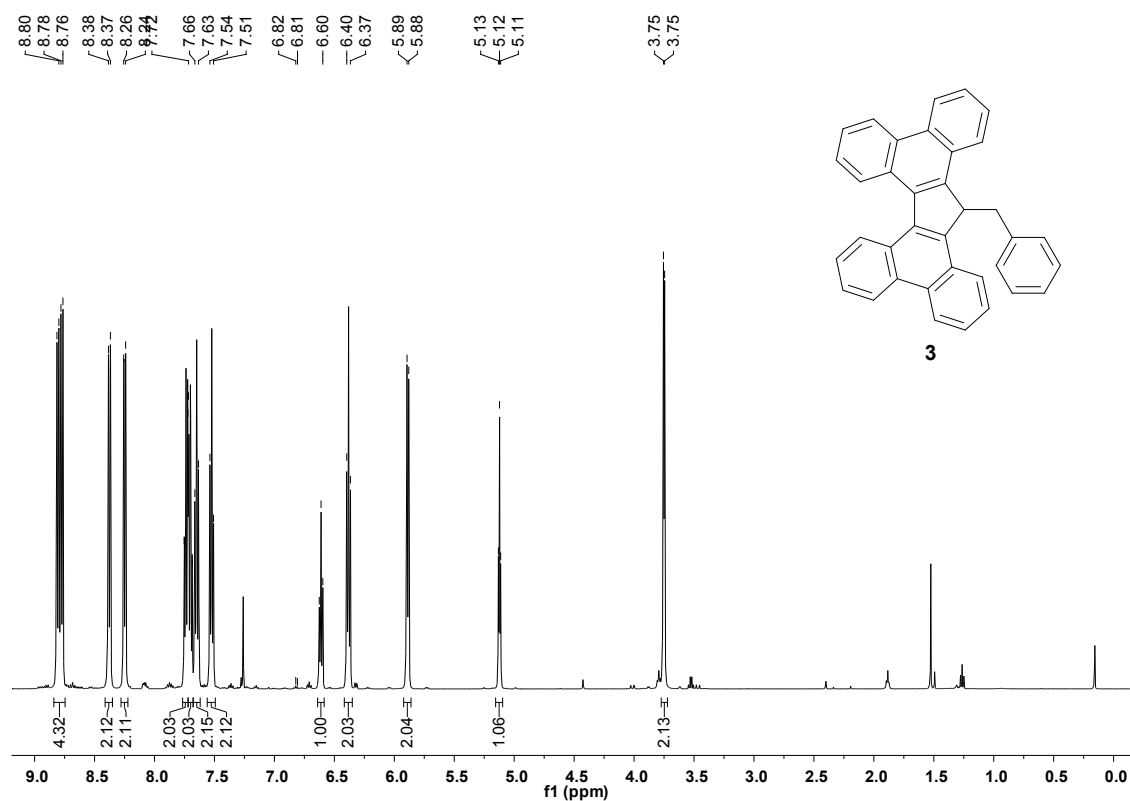
### 1.1.2 Box motif in **2d**.

Hydrogen atoms are omitted for clarity; thermal ellipsoids are drawn at the 50% probability level.



## 1.2 NMR spectra

### 1.2.1 $^1\text{H}$ and $^{13}\text{C}$ NMR spectra of 17-Benzyl-Tbf (**3**)



1.2.2  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 17- $^n$ PrOH-Tbf (**4**)

