$$H_3C$$
 $CH_3$ 
 $H_3C$ 
 $CH_3$ 
 $H_3C$ 
 $CH_3$ 
 $R^{\bullet}$ 

PBN spin trap

PBN spin adduct

Scheme S1: Principle of the ESR-ST experiments: Extracting the hyperfine coupling constants  $\boldsymbol{a}_N$  and  $\boldsymbol{a}_H$  from the ESR simulated spectrum. Values are related to the trapped (or adduct) radical  $\boldsymbol{R}^1$  by the PBN moiety.