Supporting Information

for

Conformational analysis, stereoelectronic interactions and NMR properties of 2-fluorobicyclo[2.2.1]heptan-7-ols

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Angular dependences of SSCCs and energies in 5–8

Figure S1: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **5**.

Figure S2: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **6**.

Figure S3: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **7**.

Figure S4: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **8**.

Figure S5: Angular dependence of total hyperconjugation in **5**–**8**.

Figure S6: Angular dependence of Lewis-type energies in **5**–**8**.

Figure S7: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **5**.

Figure S8: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **6**.

Figure S9: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **7**.

Figure S10: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **8**.

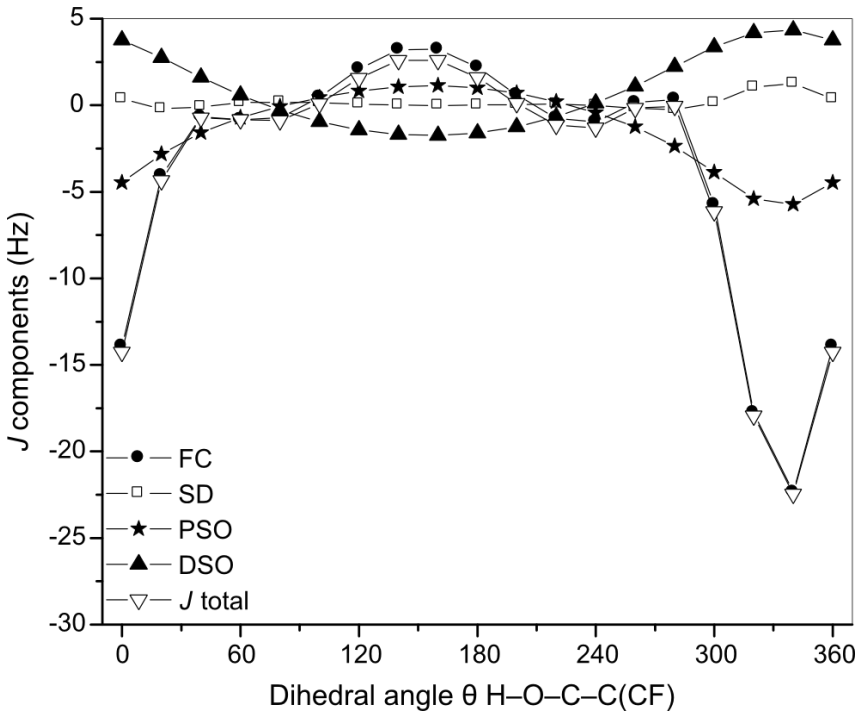

Figure S1: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **5**.

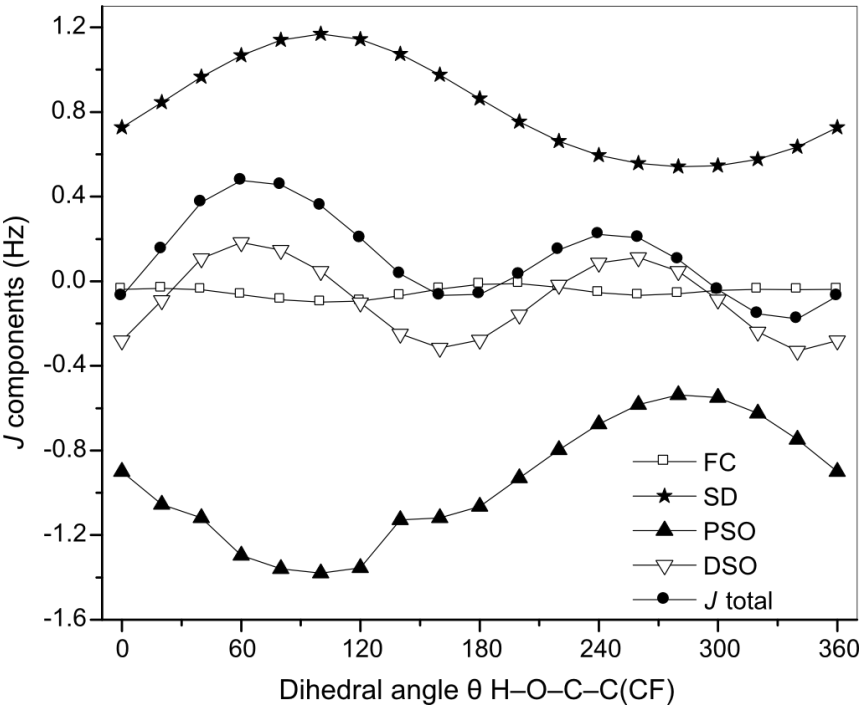

Figure S2: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **6**.

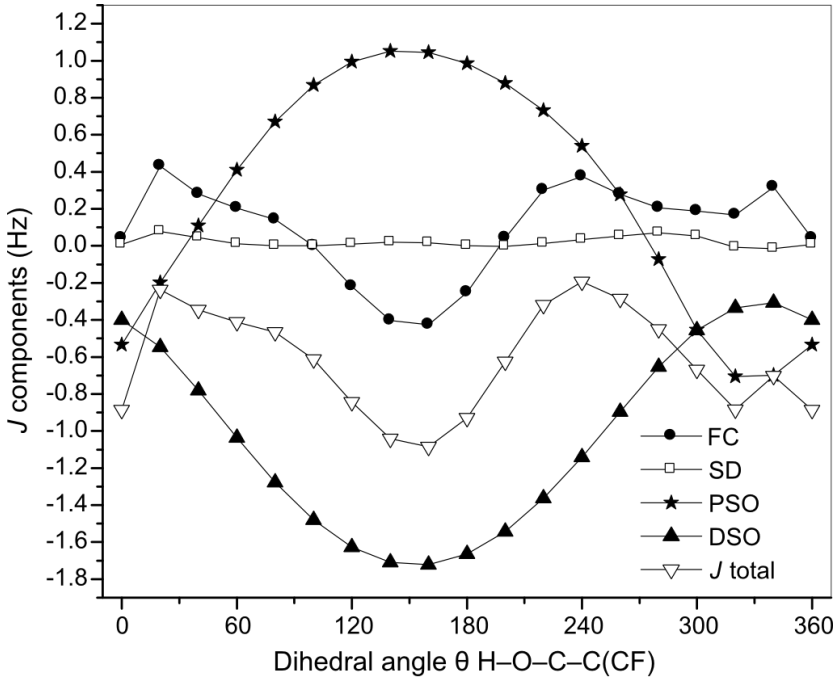

Figure S3: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **7**.

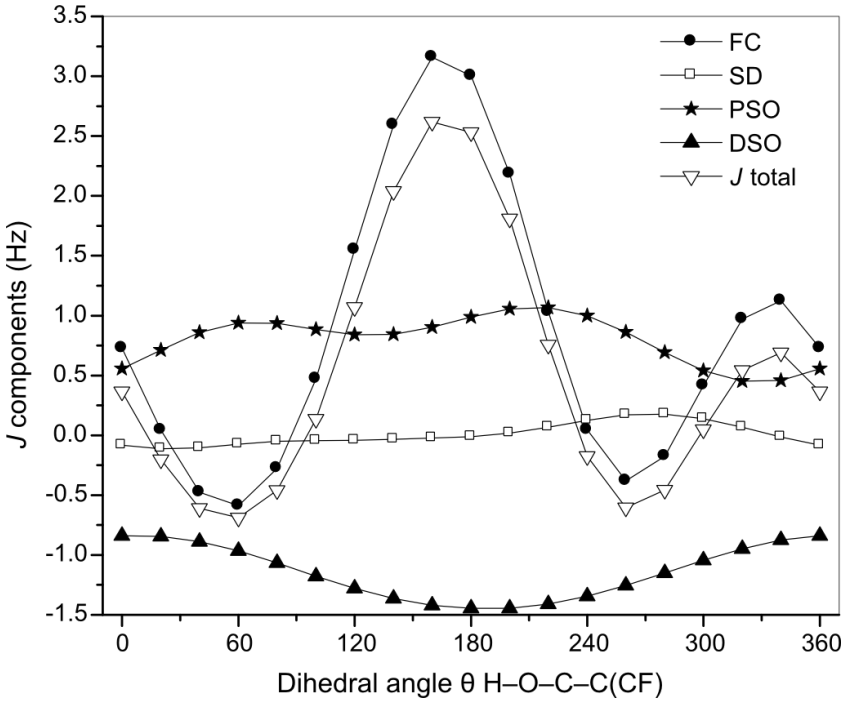

Figure S4: Angular dependence of $J_{F,H(O)}$ and its components FC (*Fermi Contact*), SD (*Spin Dipolar*), PSO (*Paramagnetic Spin-Orbit*) and DSO (*Diamagnetic Spin-Orbit*) in **8**.

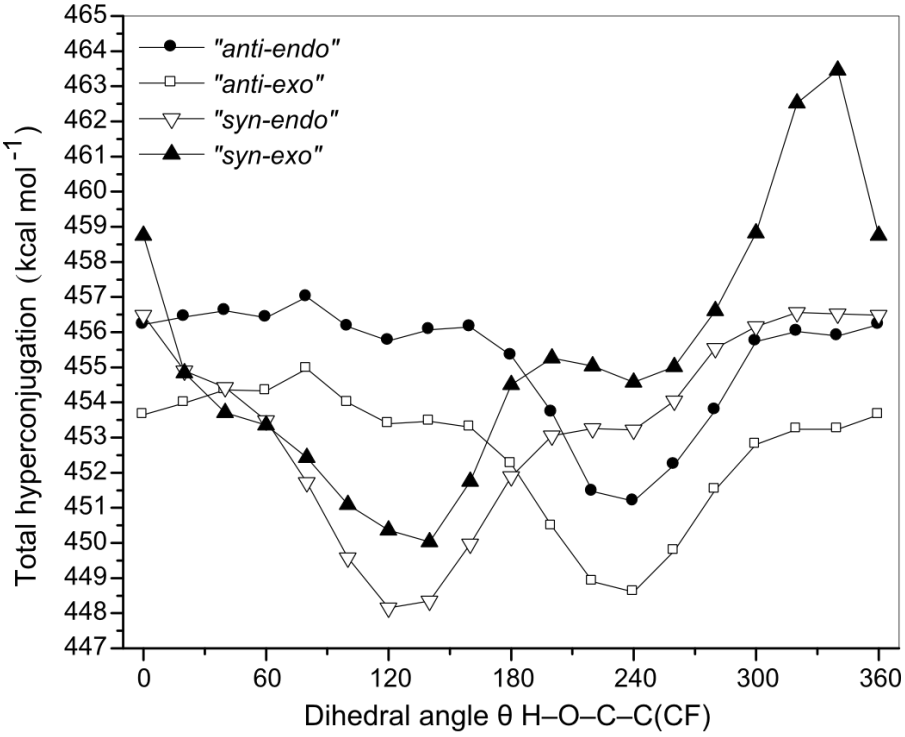

Figure S5: Angular dependence of total hyperconjugation in **5**–**8**.

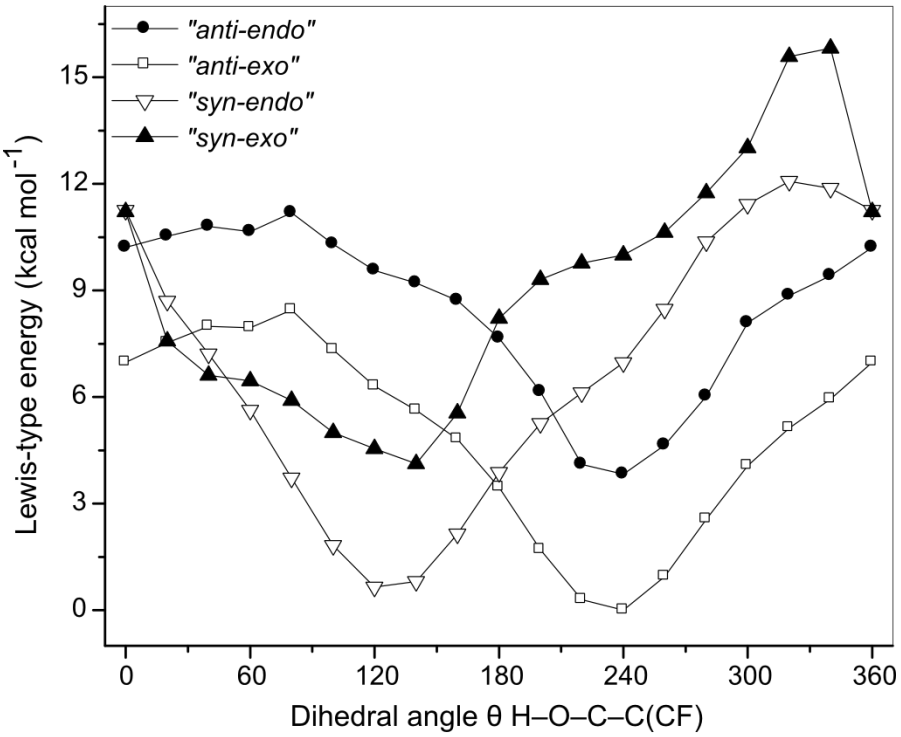

Figure S6: Angular dependence of Lewis-type energies in **5**–**8**.

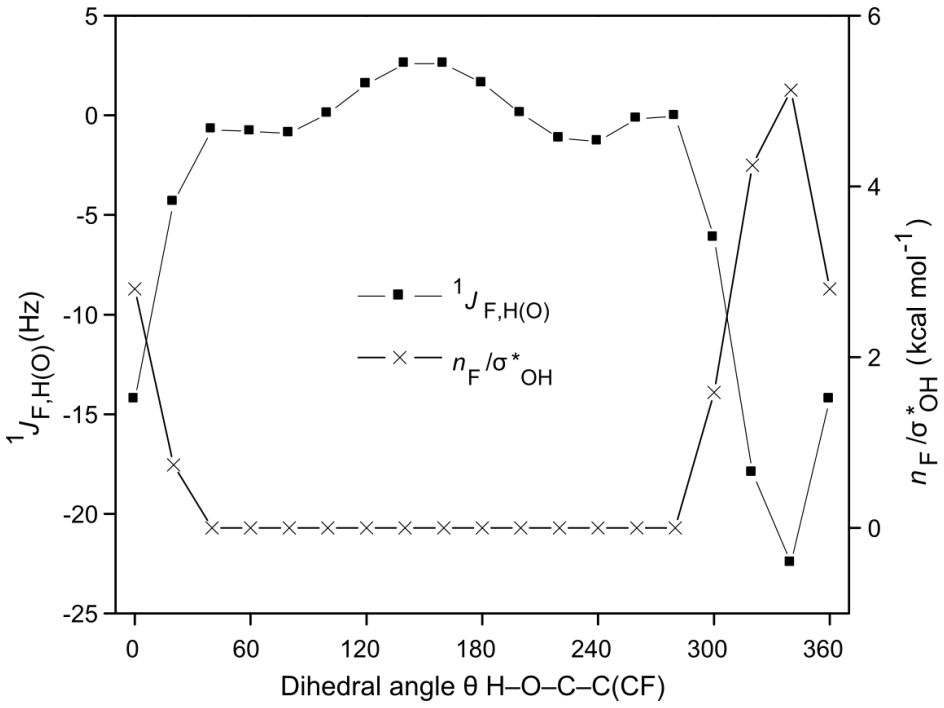

Figure S7: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **5**.

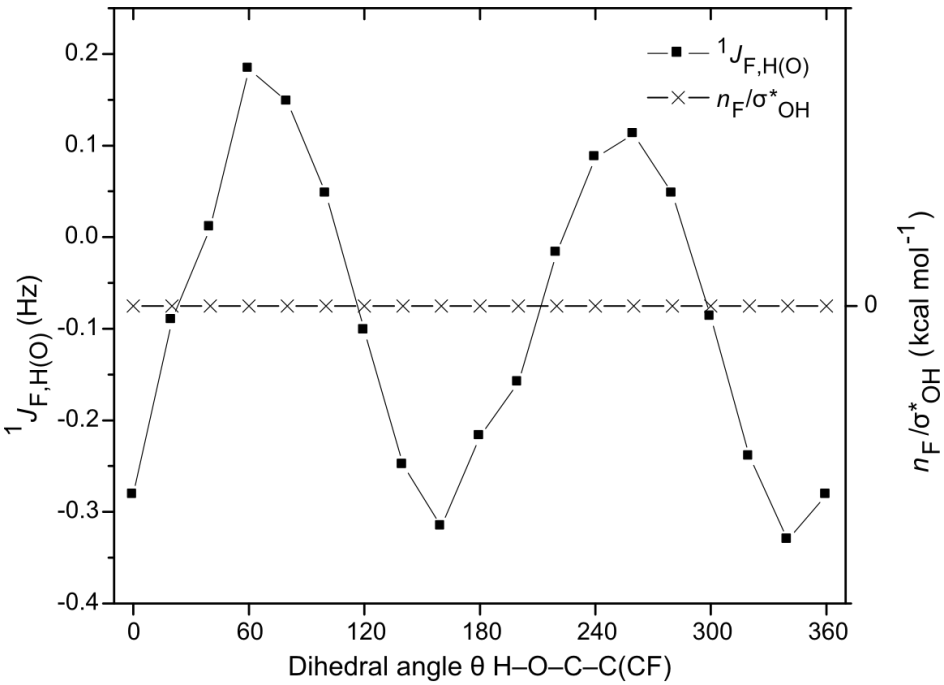

Figure S8: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **6**.

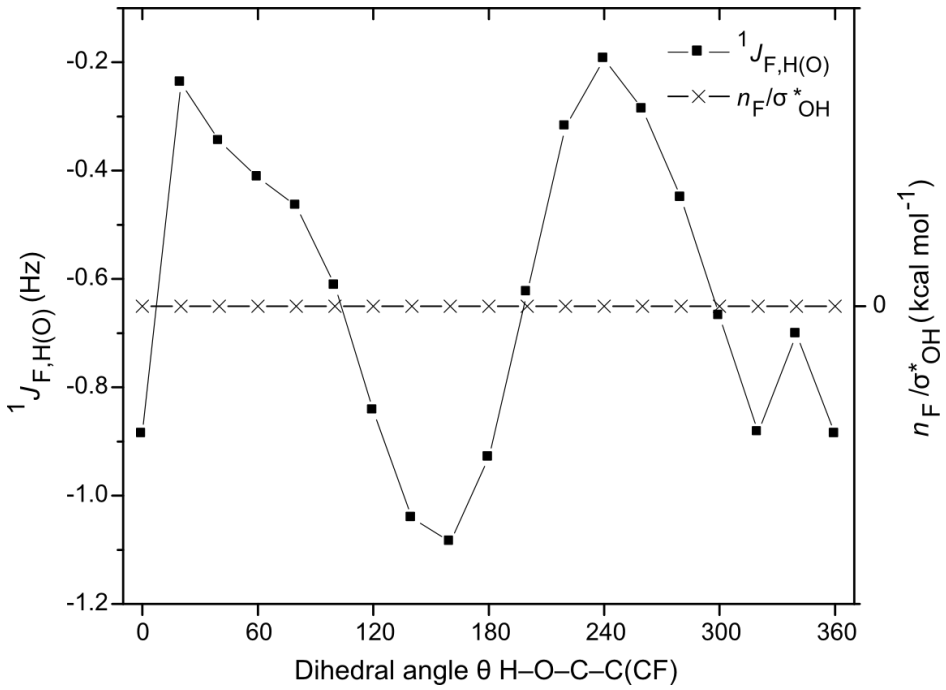

Figure S9: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **7**.

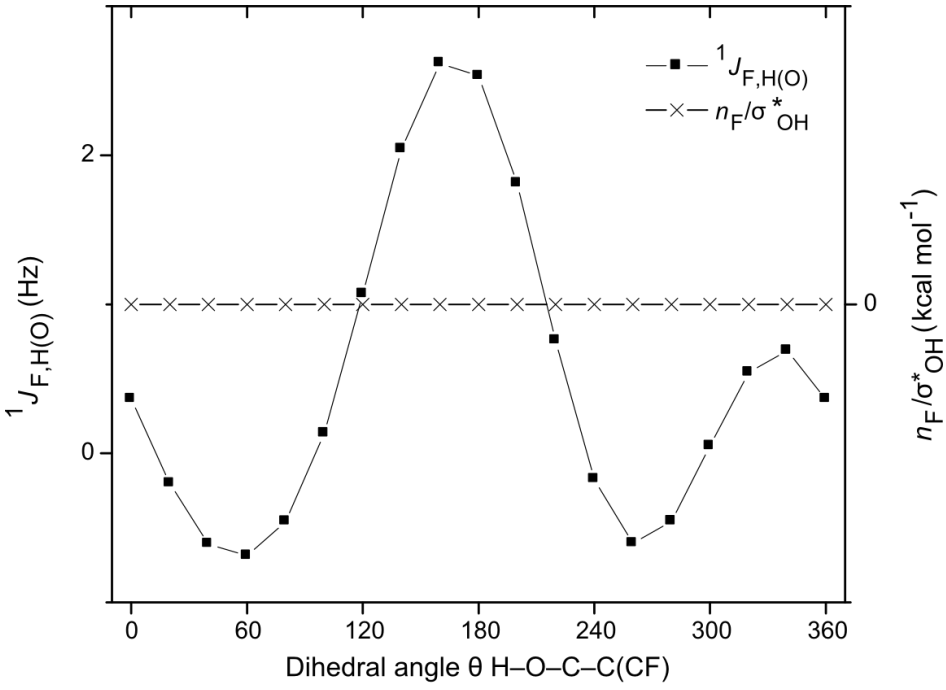

Figure S10: Angular dependence of $^1J_{F,H(O)}$ and $n_F \rightarrow \sigma^*_{OH}$ in **8**.