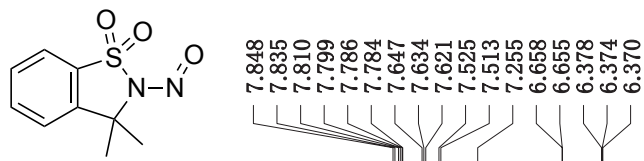
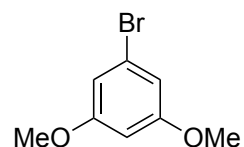


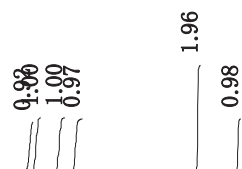
¹H-QNMR (600 Mz, CDCl₃)



Purified Compound **4**



internal standard



mg_{std} : weight of internal standard = 10.0 mg
 mg_{cpd} : weight of **4** = 10.0 mg
 MW_{std} : MW of internal standard = 217.06 mg/mmol
 MW_{cpd} : MW of **4** = 226.25 mg/mmol
 P_{std} : purity of internal standard = 0.97
 I_{cpd} : integral value of **4** = 0.97
 nH_{cpd} : number of H of **4** = 1
 I_{std} : integral value of internal standard = 6
 nH_{std} : number of H of internal standard = 6

$$\begin{aligned}
 \% \text{ QNMR purity} &= \frac{10.0 \text{ mg} \times 226.25 \text{ mg/mmol} \times 0.97 \times 0.97}{10.0 \text{ mg} \times 217.06 \text{ mg/mmol}} \times 100 \\
 &= 98.1\%
 \end{aligned}$$

