

ELECTRONIC SUPPORTING INFORMATION

Excited-State Intramolecular Proton Transfer (ESIPT) emitters based on a 2-(2'-Hydroxybenzofuranyl)benzoxazole (HBBO) scaffold functionalised with polyethyleneglycol (PEG) chains

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S1 ^1H and ^{13}C NMR Spectra

S2 HR-MS traces

S3 Solution-state spectroscopic data

S4 Solid-state spectroscopic data

S1 ^1H and ^{13}C NMR Spectra

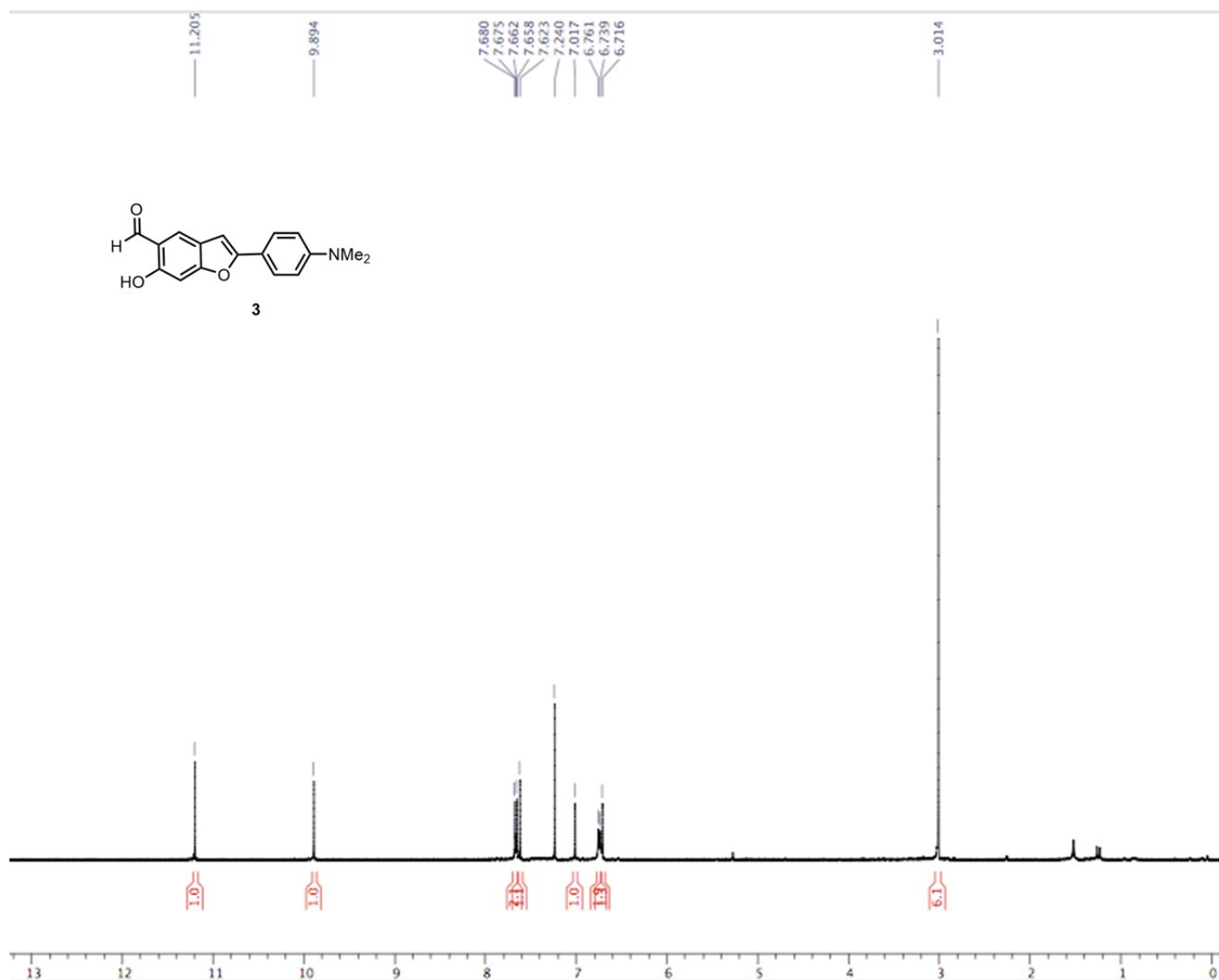


Figure S1.1 ^1H NMR spectrum of compound 3

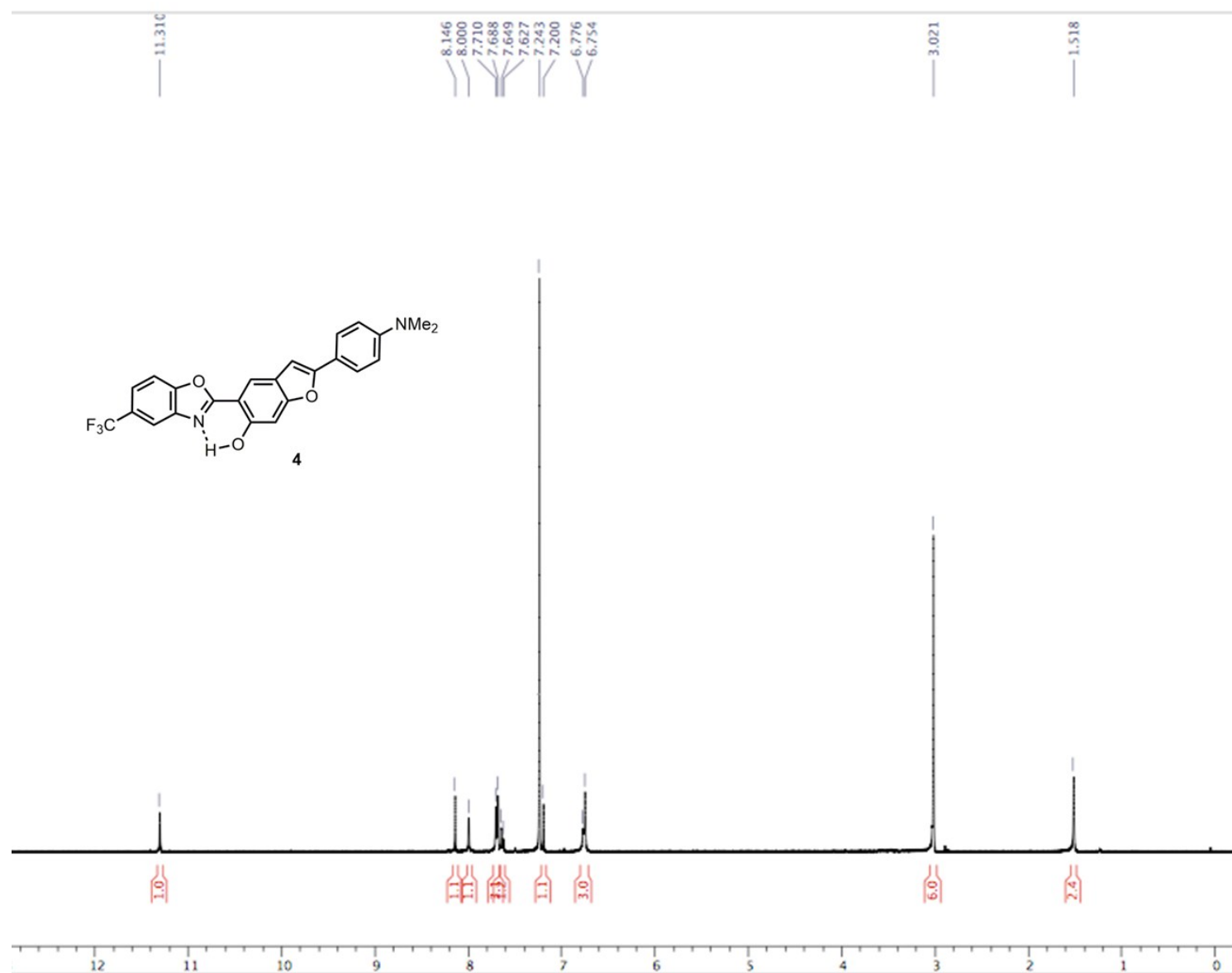


Figure S1.2 ^1H NMR spectrum of compound **4**

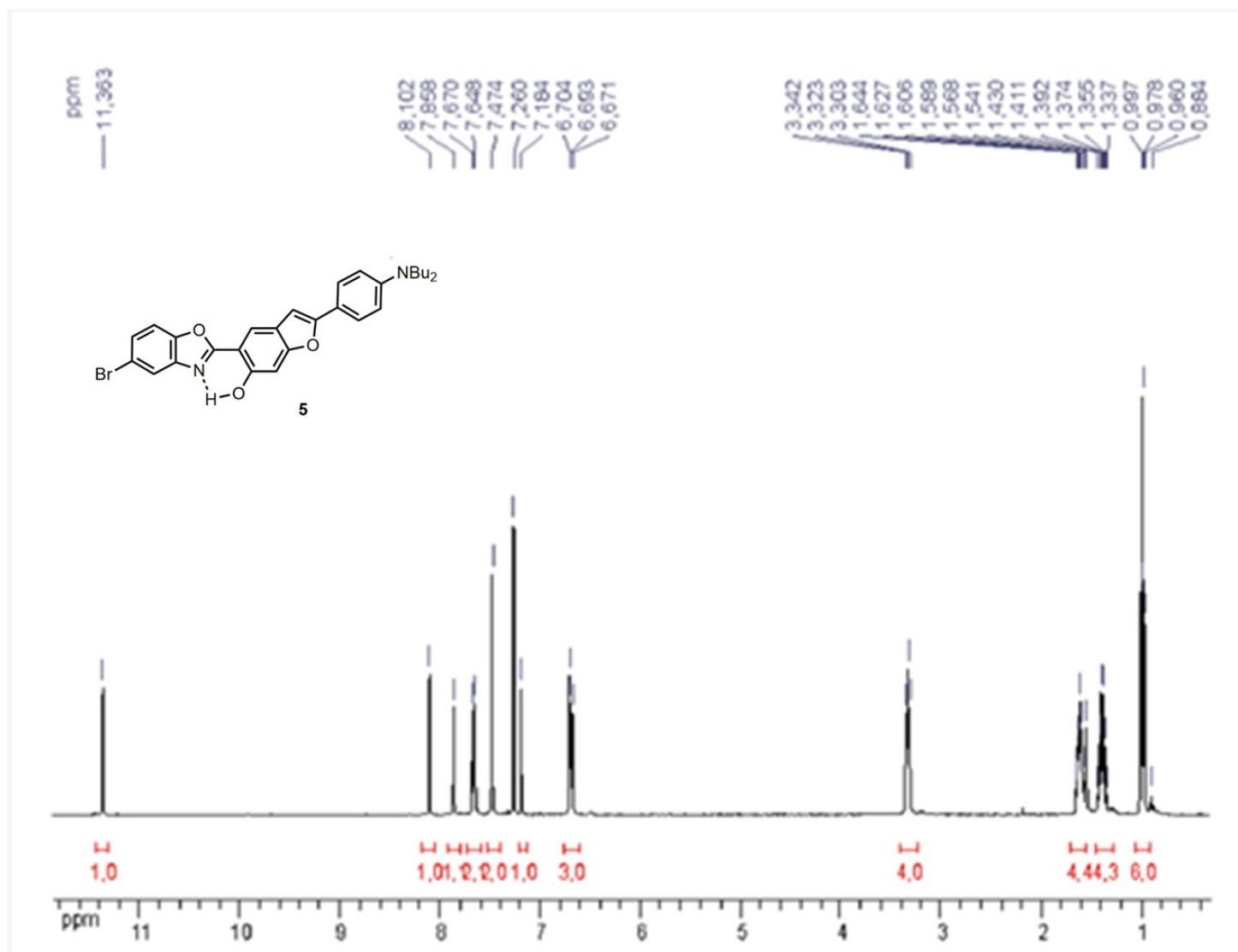


Figure S1.3 ¹H NMR spectrum of compound 5

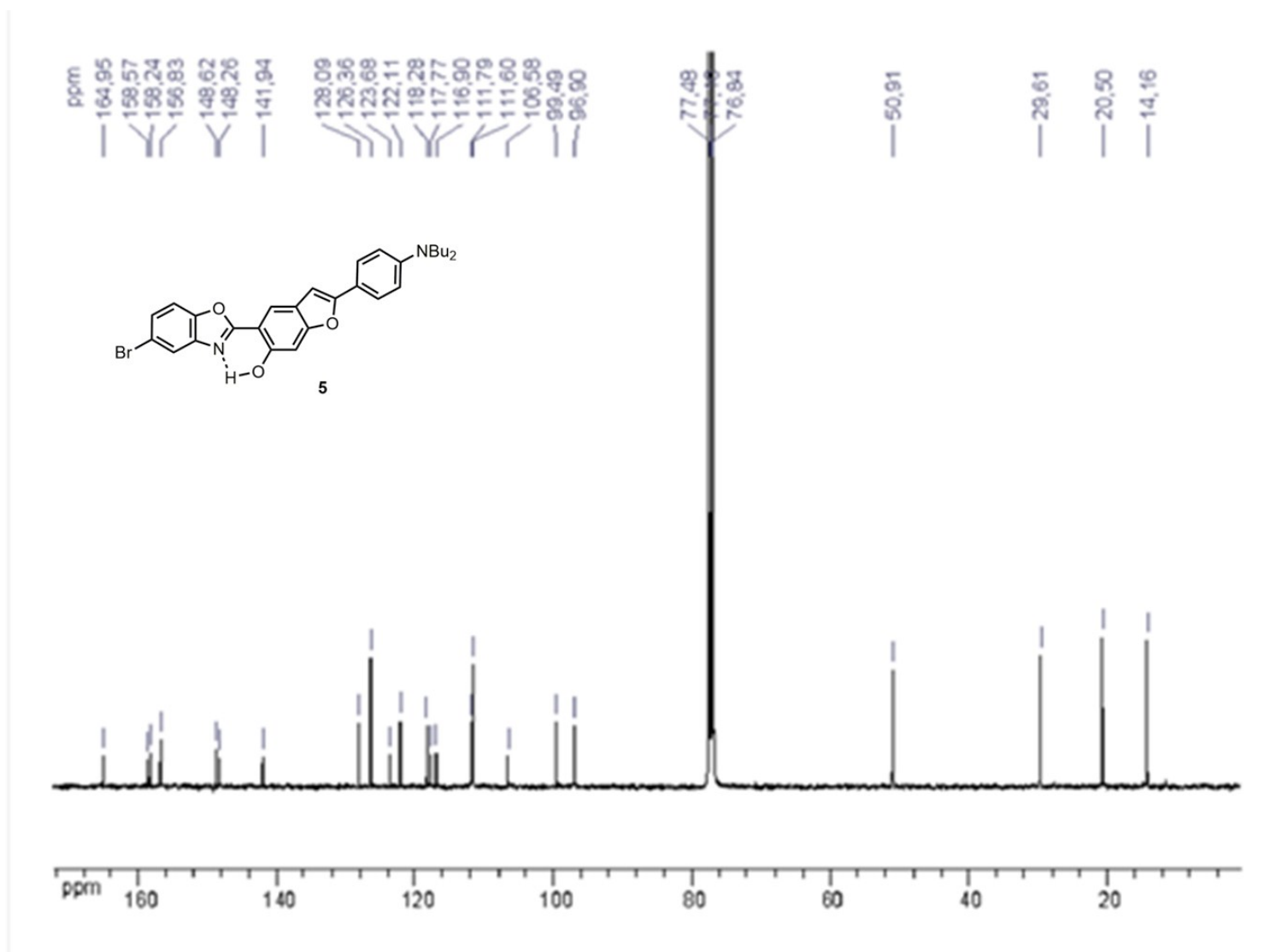


Figure S1.4 ¹³C NMR spectrum of compound 5

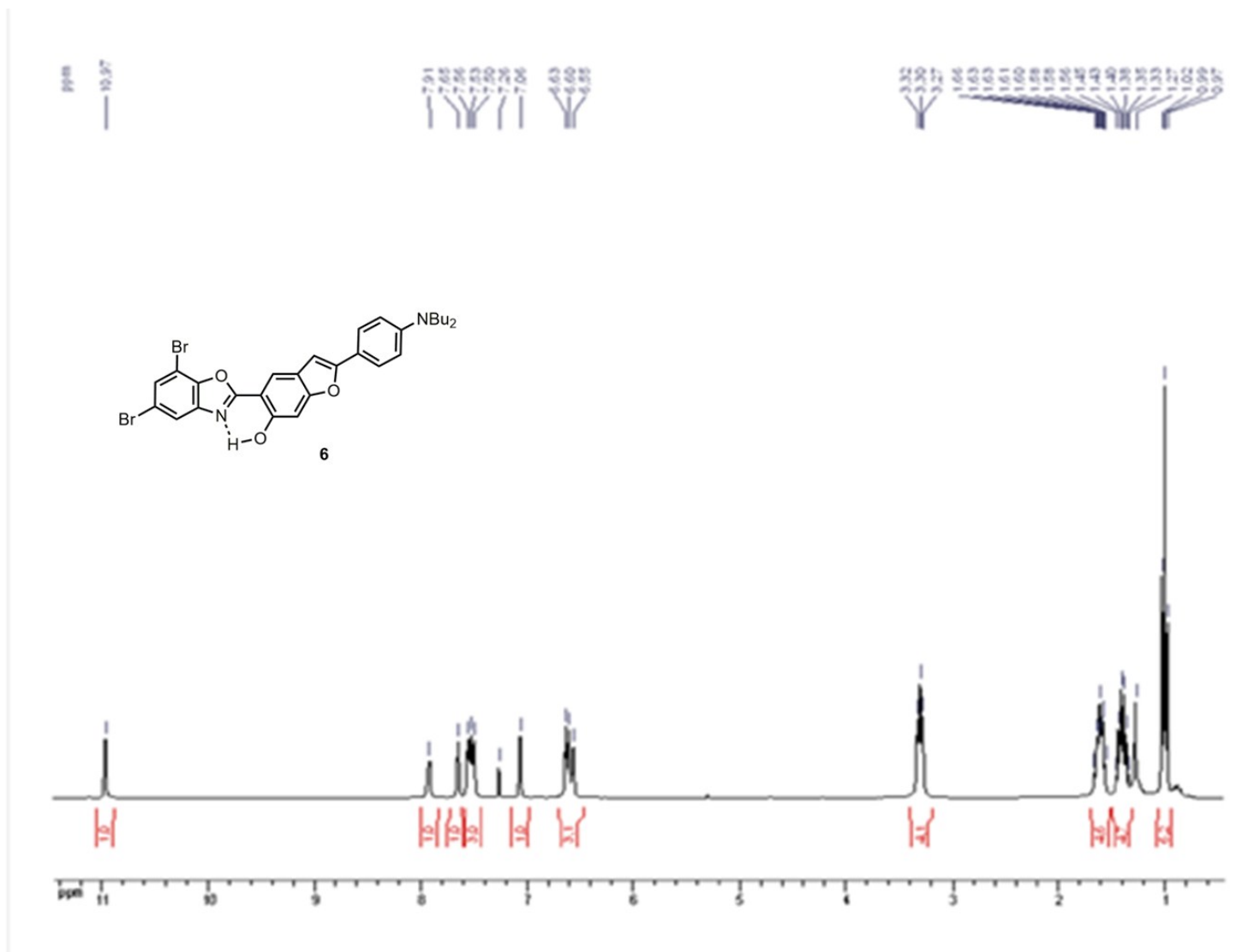


Figure S1.5 ¹H NMR spectrum of compound 6

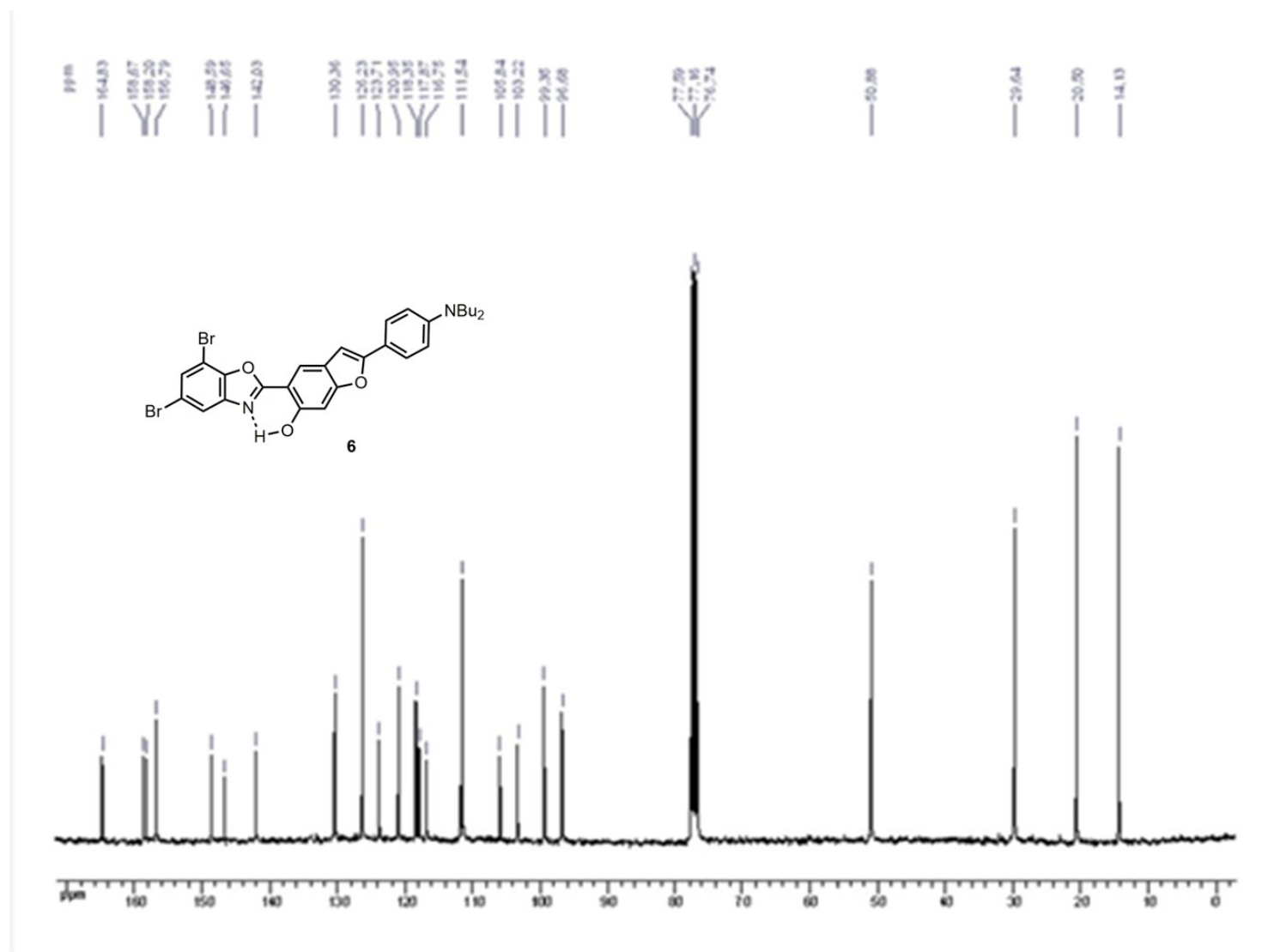


Figure S1.6 ^{13}C NMR spectrum of compound **6**

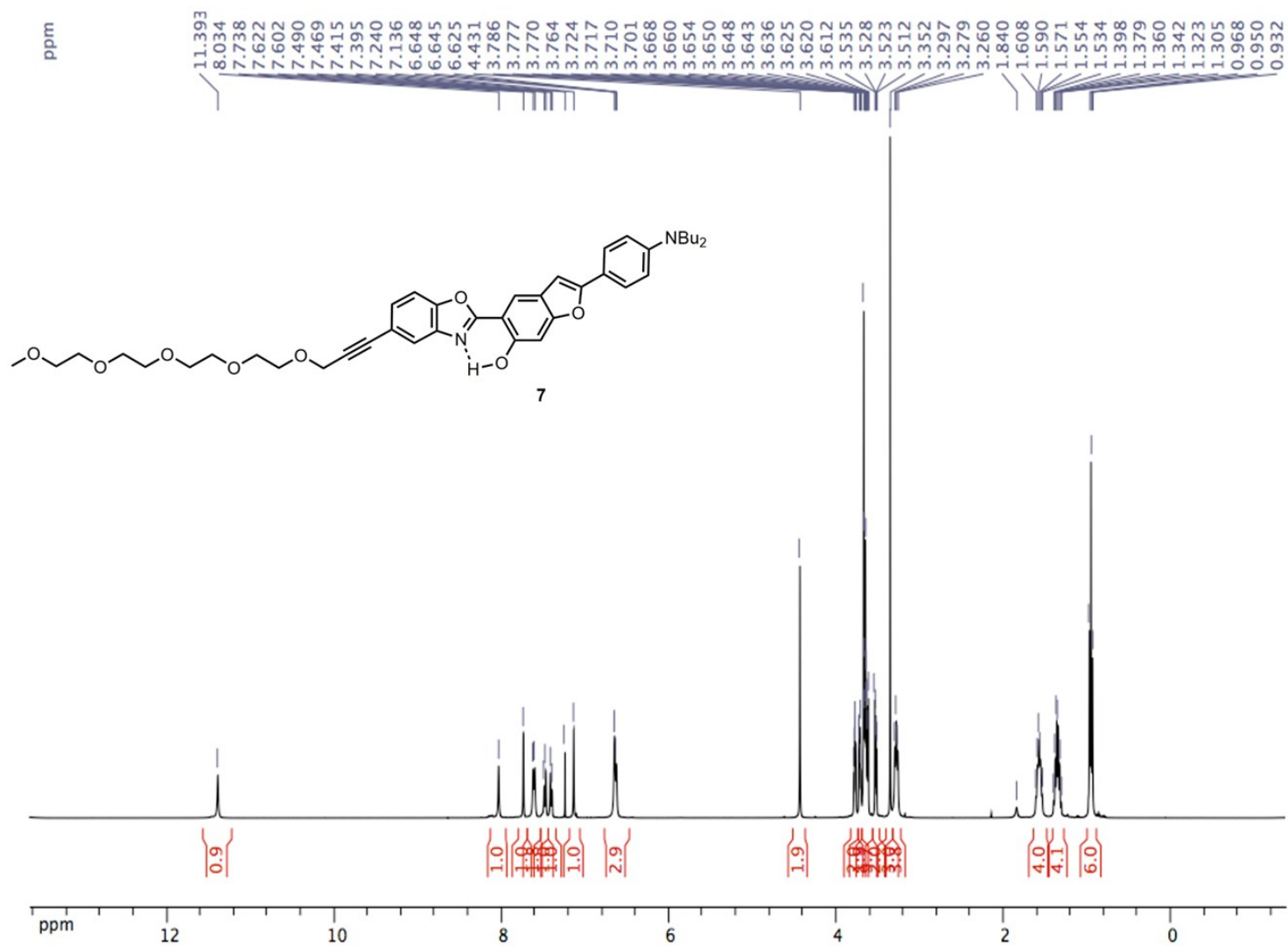


Figure S1.7 ^1H NMR spectrum of compound 7

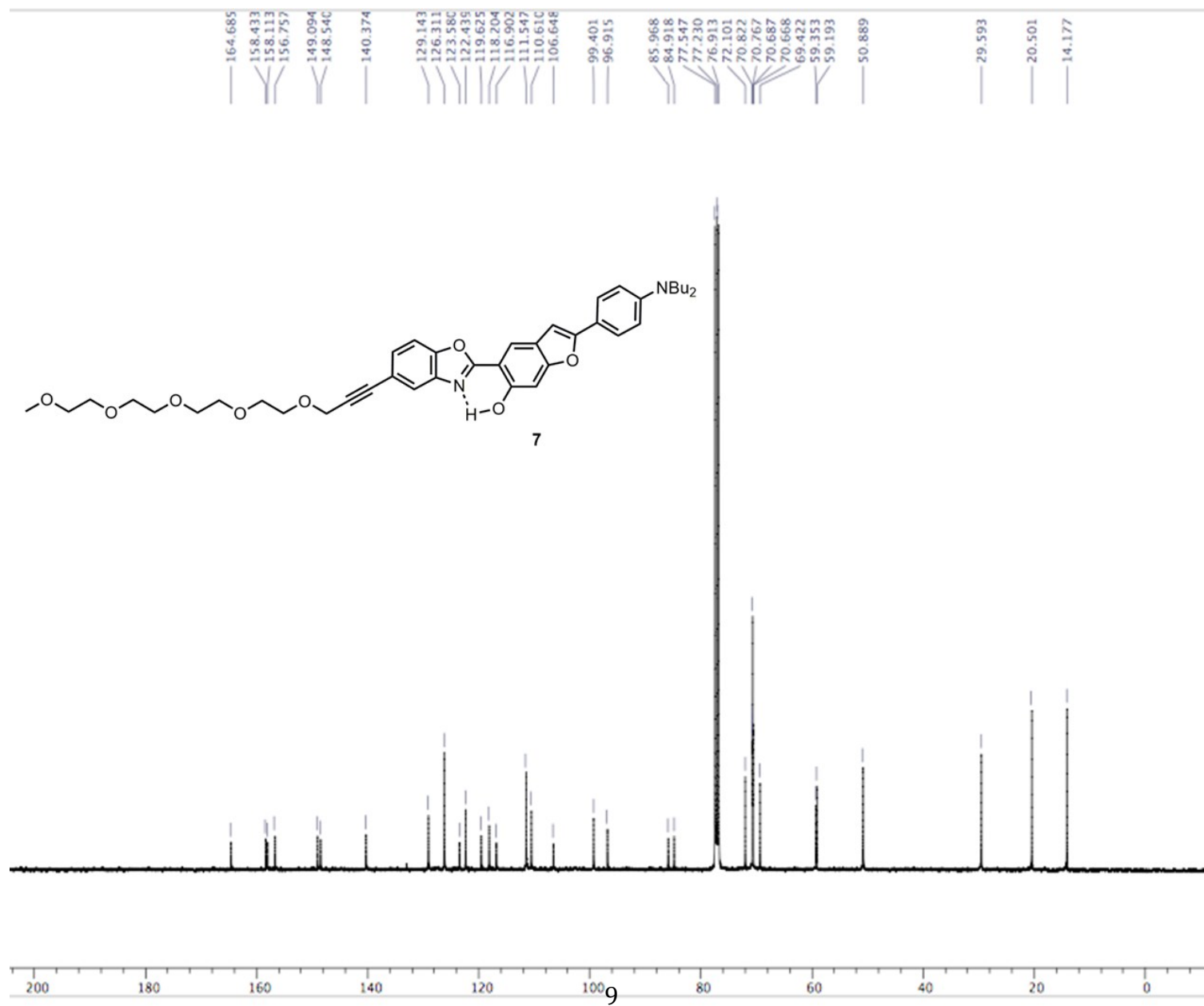


Figure S1.8 ¹³C NMR spectrum of compound 7

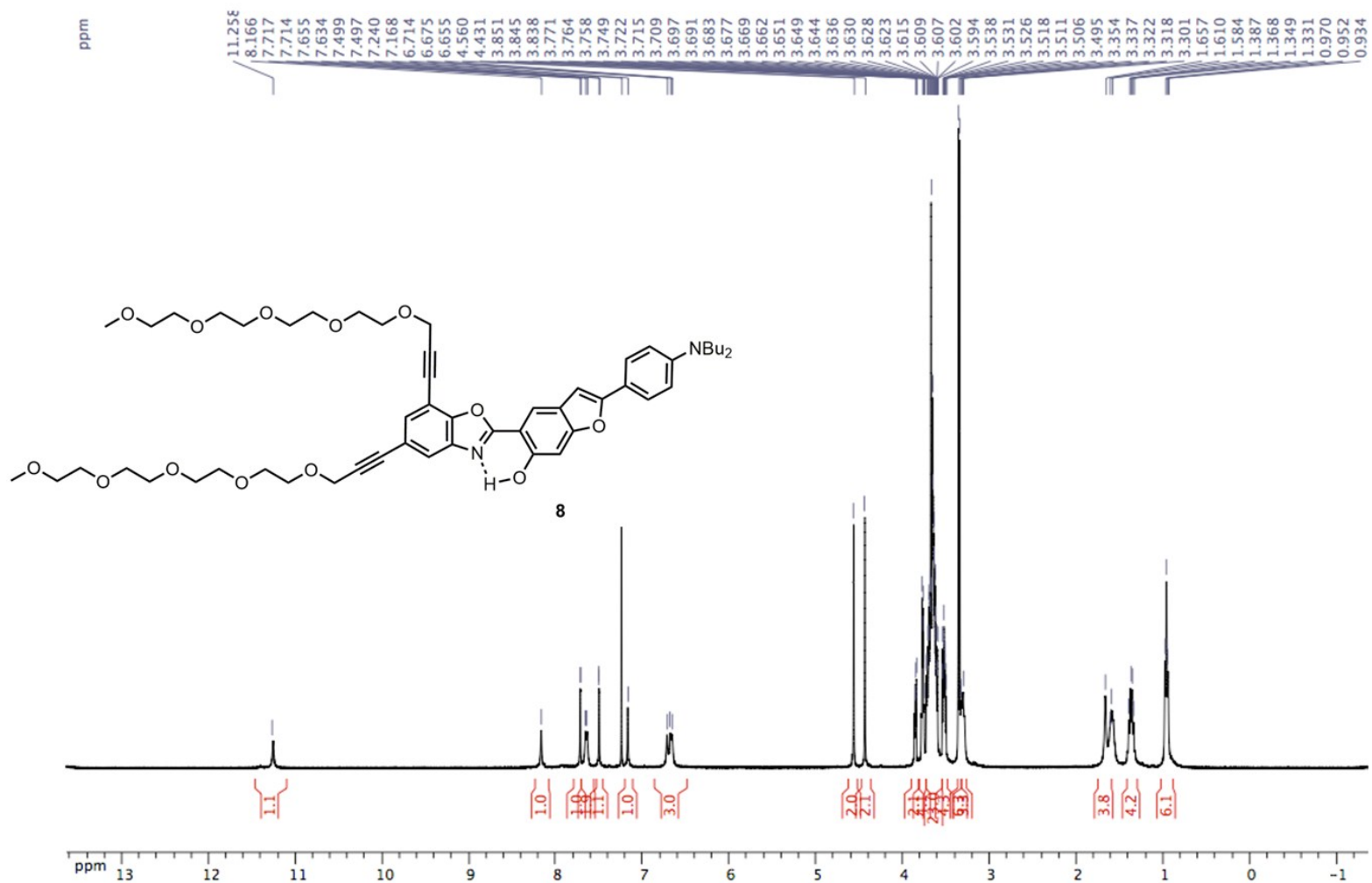


Figure S1.9 ¹H NMR spectrum of compound **8**

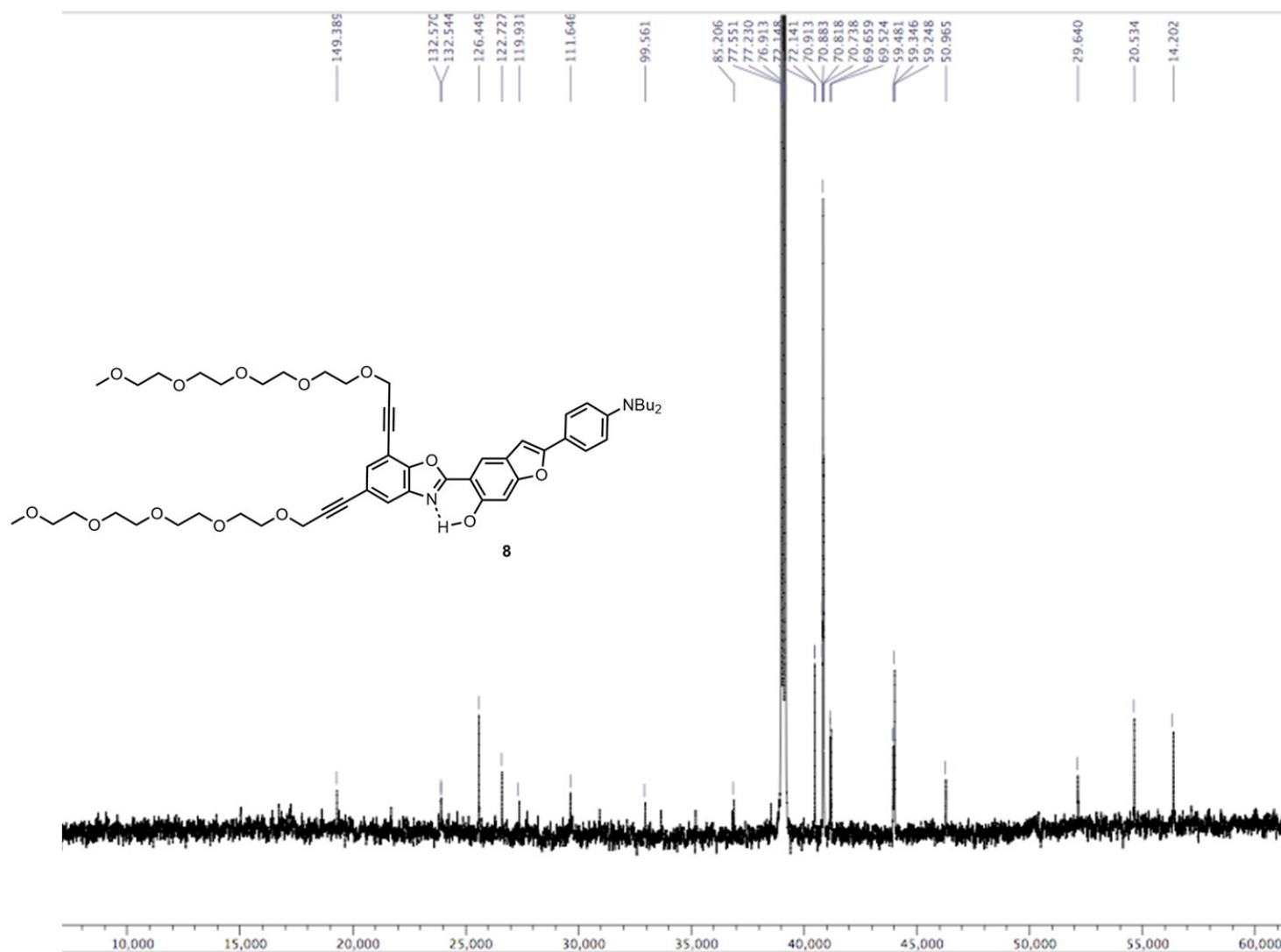


Figure S1.10 ^{13}C NMR spectrum of compound **8**

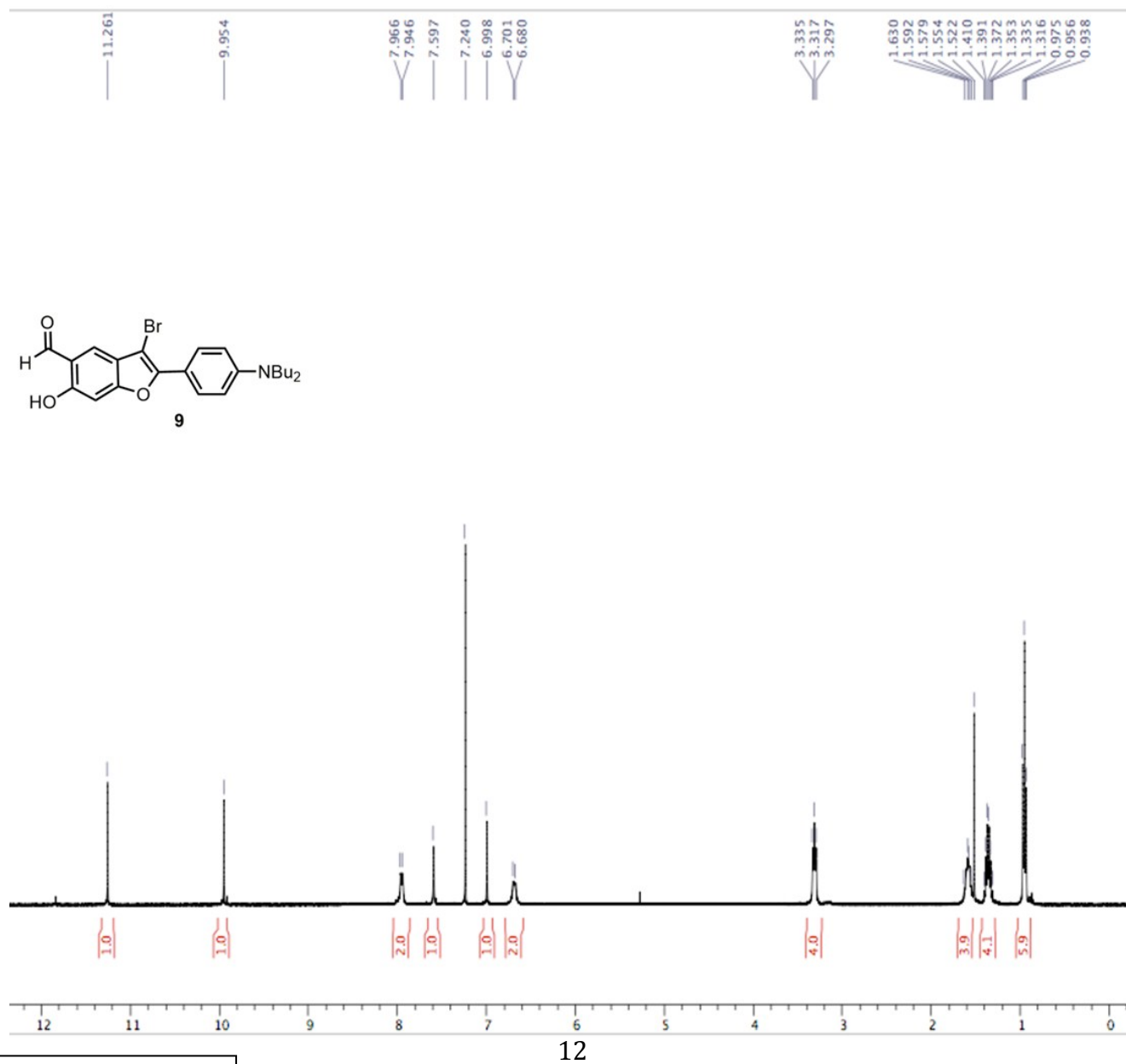


Figure S1.11 ^1H NMR spectrum of compound **9**

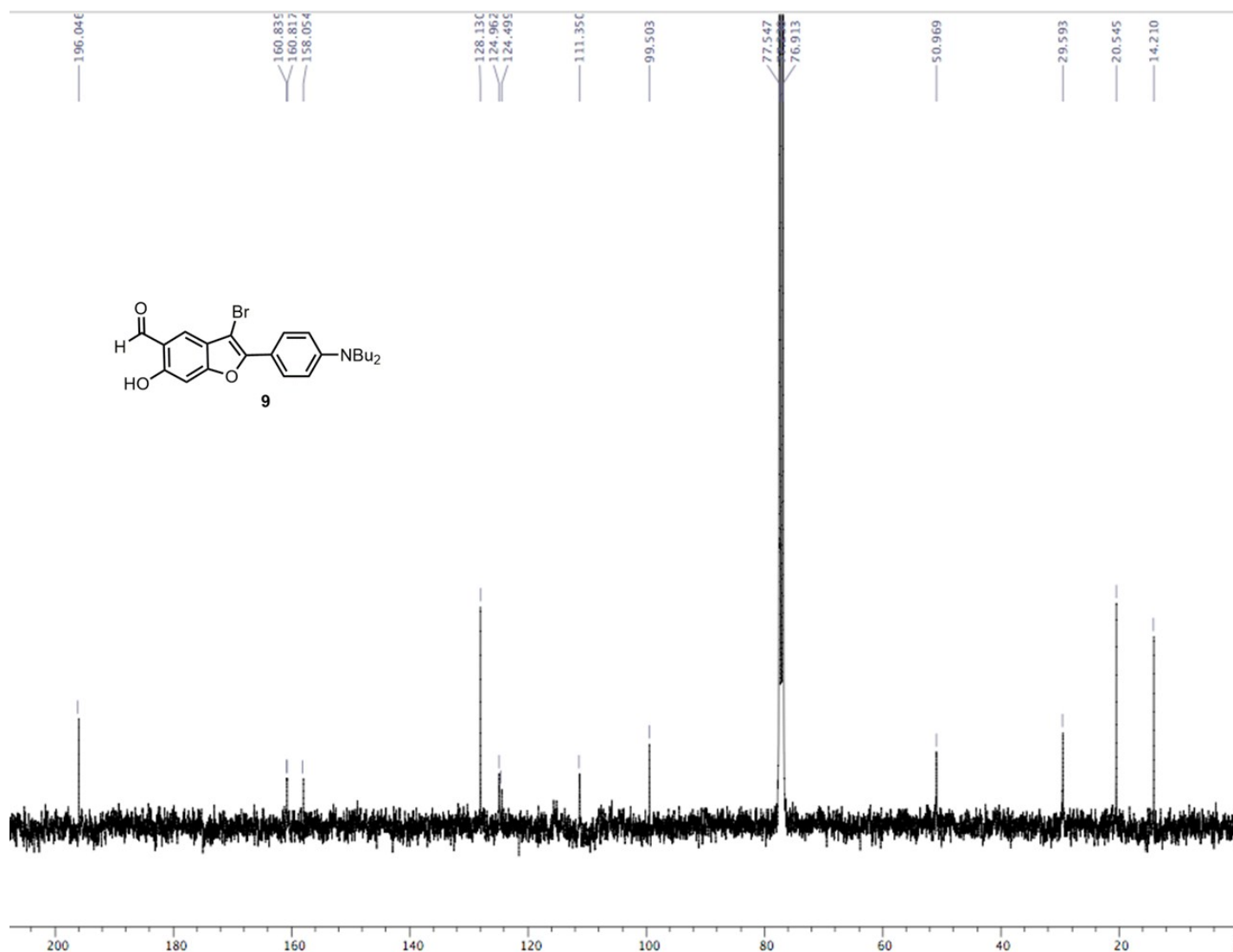


Figure S1.12 ^{13}C NMR spectrum of compound **9**

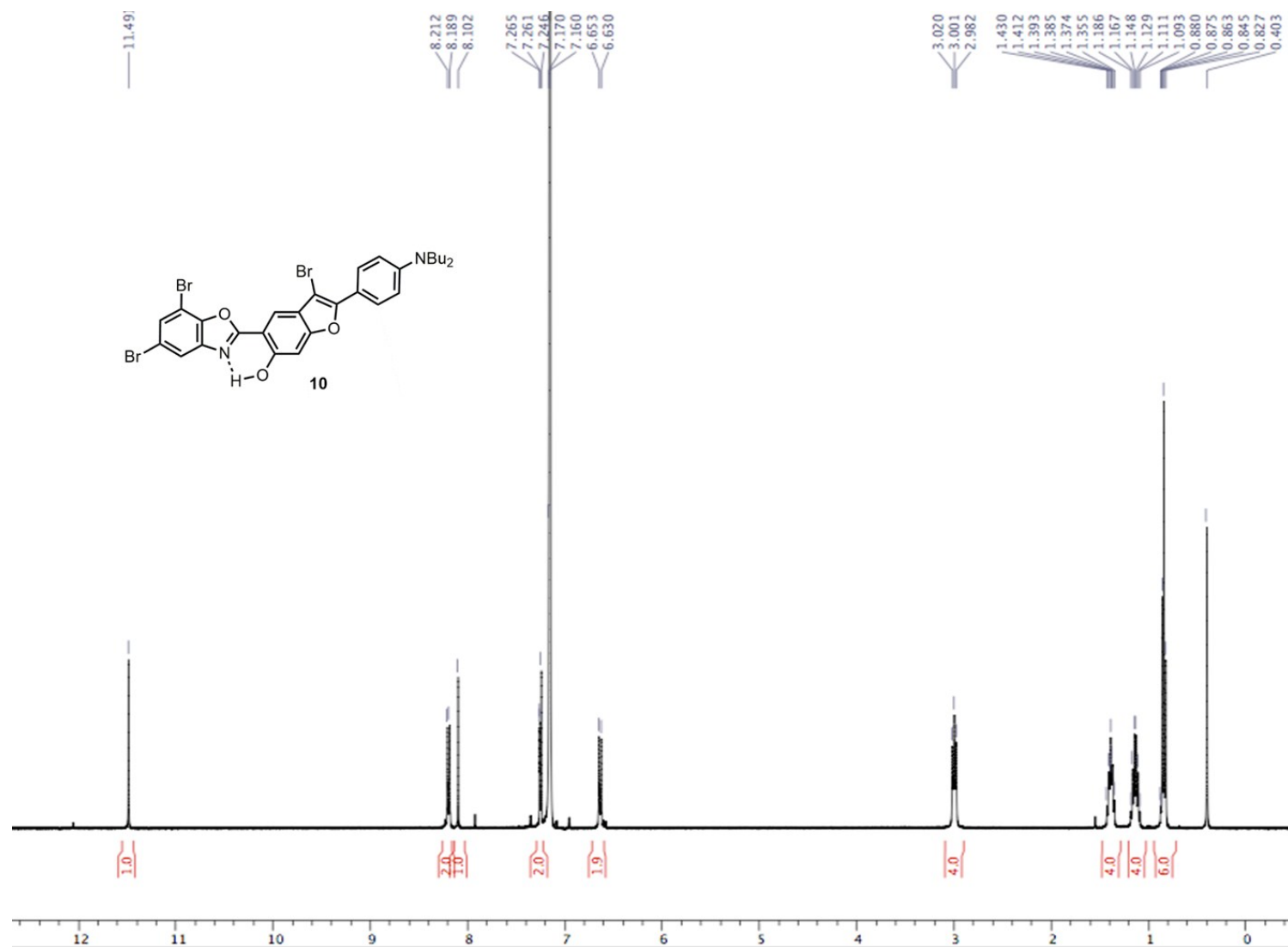


Figure S1.13 ^1H NMR spectrum of compound **10**

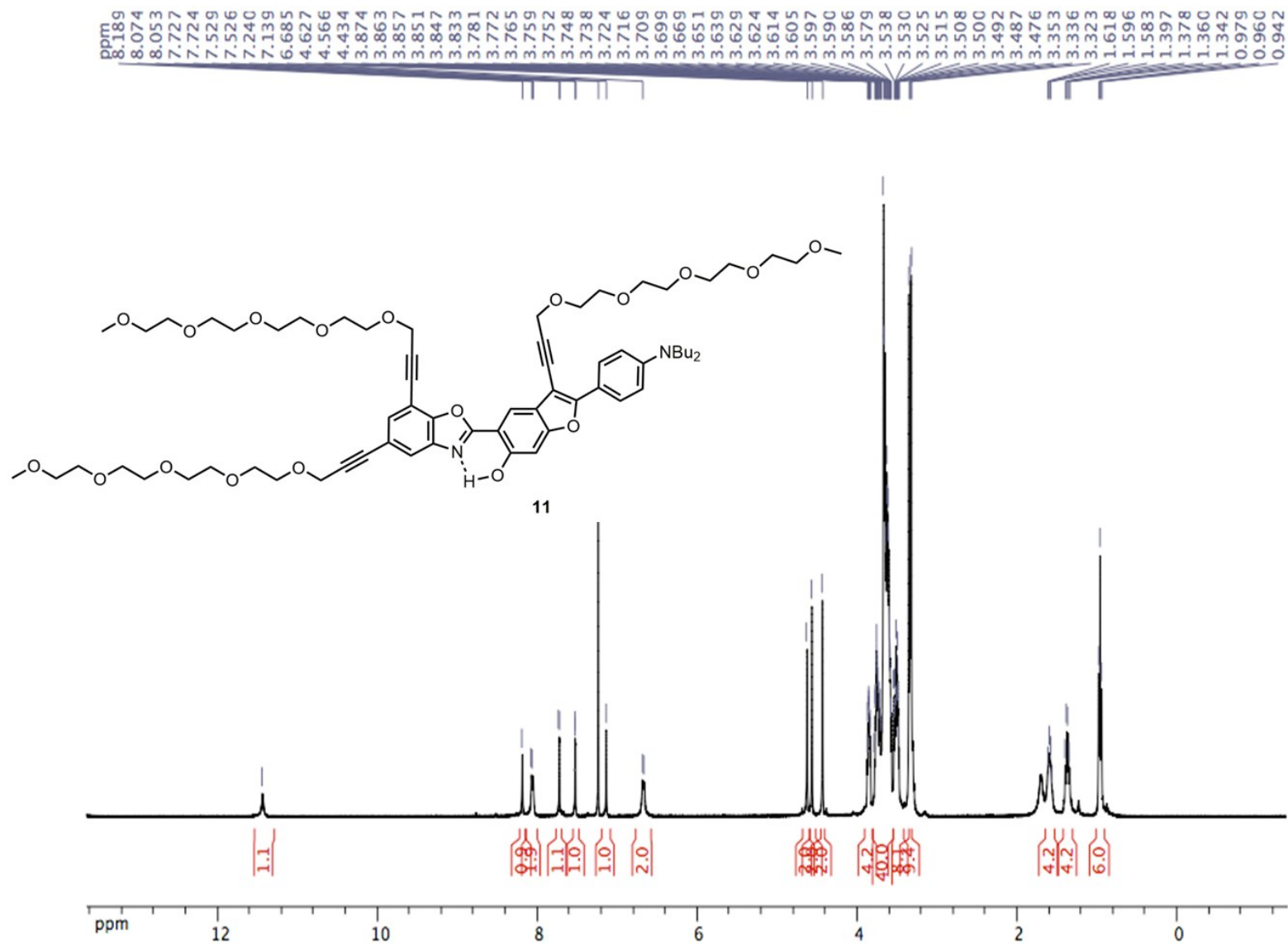


Figure S1.14 ¹H NMR spectrum of compound **11**

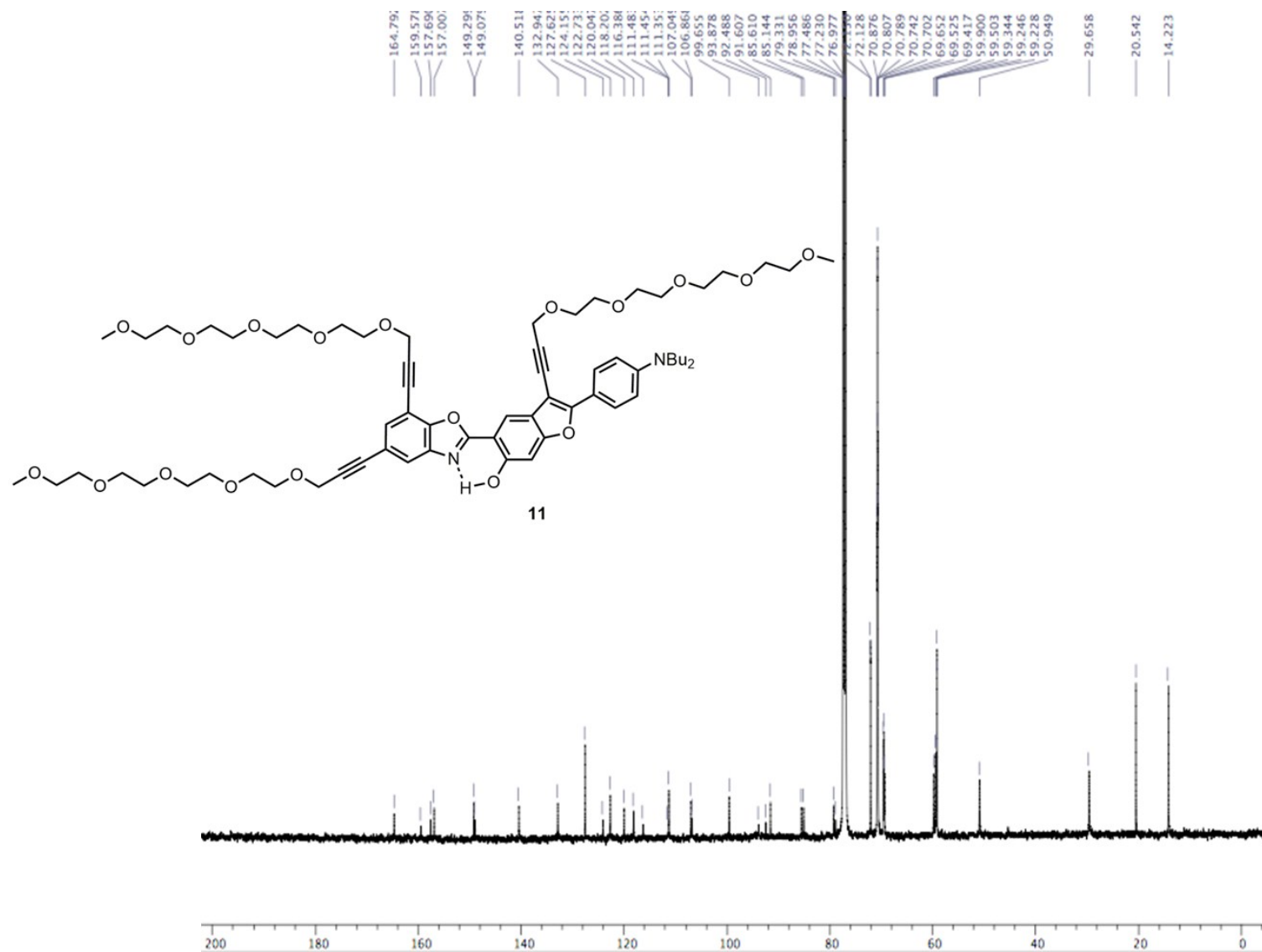


Figure S1.15 ^{13}C NMR spectrum of compound **11**

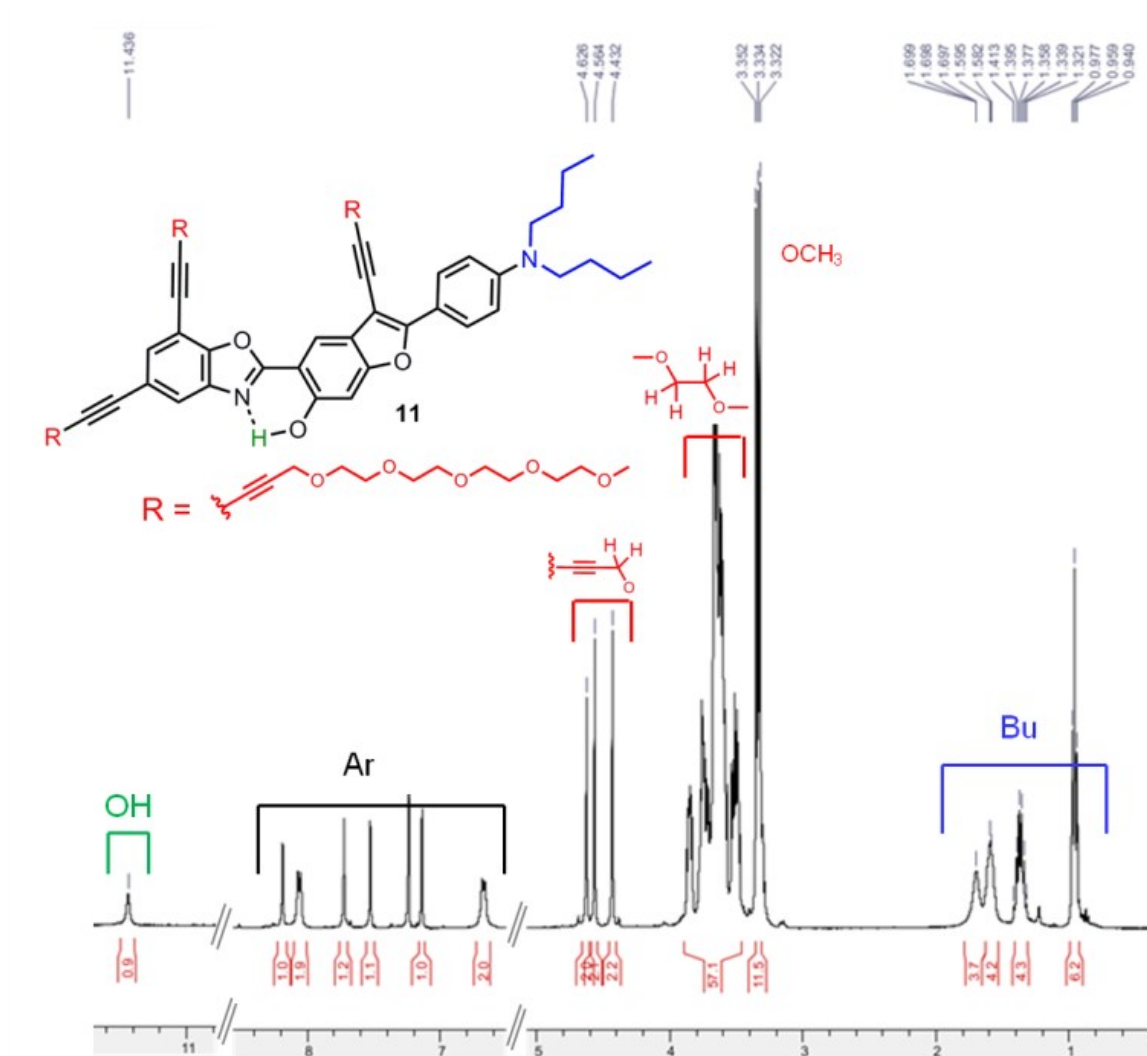


Figure S1.16 ^1H NMR spectrum of HBBO dye **11**

S2 HR-MS traces

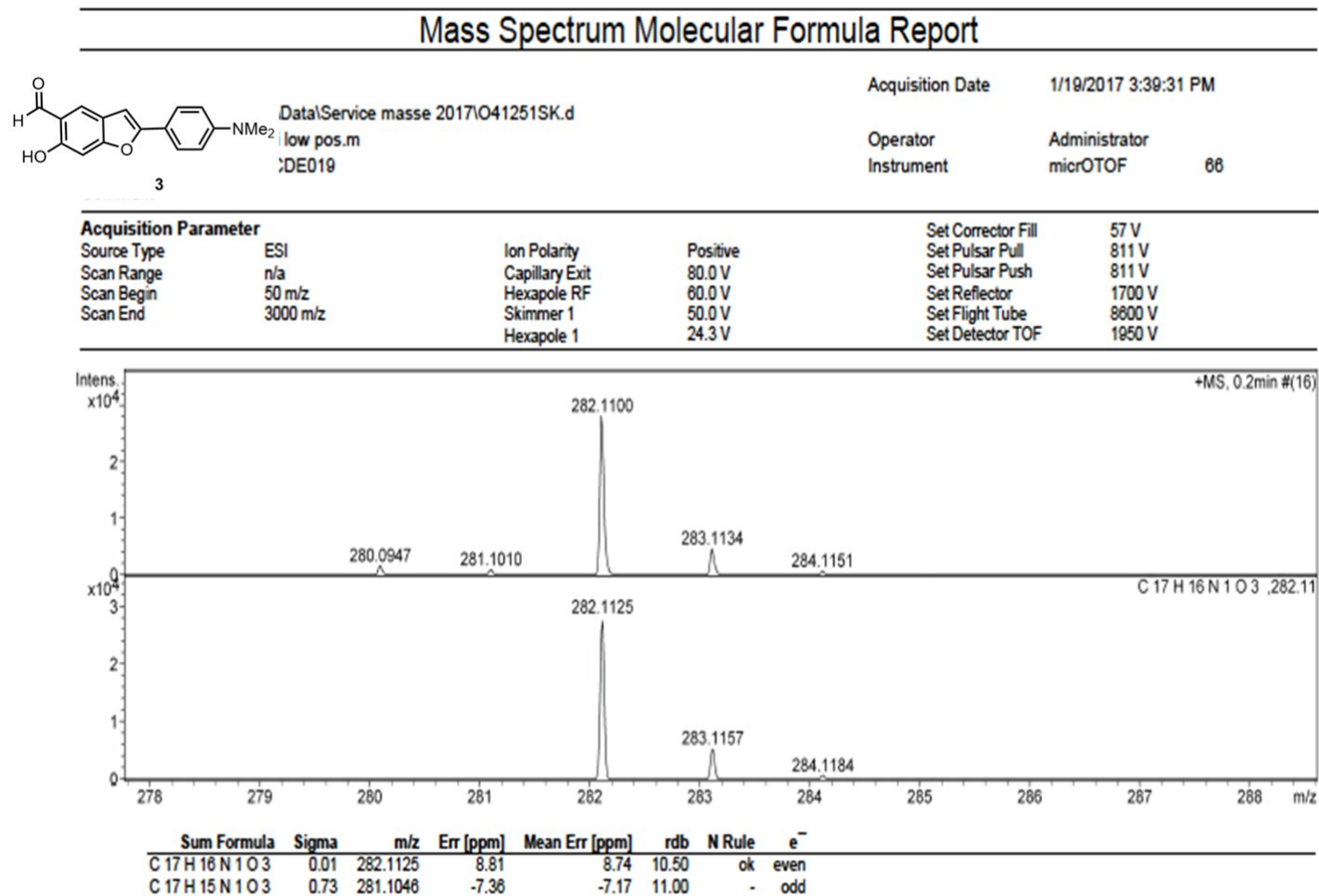
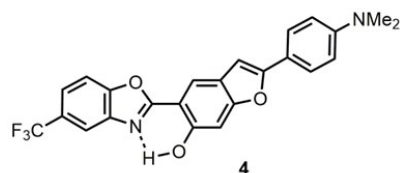


Figure S2.1 HR-MS spectrum of compound **3**



Mass Spectrum Molecular Formula Report

rvise masse 2017\O41260SK.d
s.m

Acquisition Date 1/20/2017 9:18:59 AM

Operator Administrator
Instrument micrOTOF 66

Acquisition Parameter

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Scan End	3000 m/z	Skimmer 1	50.0 V	Set Reflector	1700 V
		Hexapole 1	24.3 V	Set Flight Tube	8600 V
				Set Detector TOF	1950 V

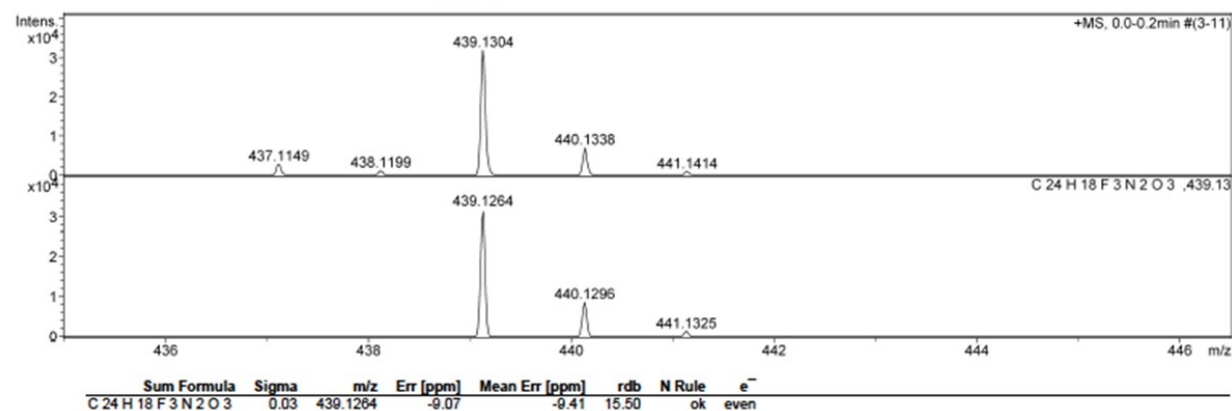


Figure S2.2 HR-MS spectrum of compound **4**

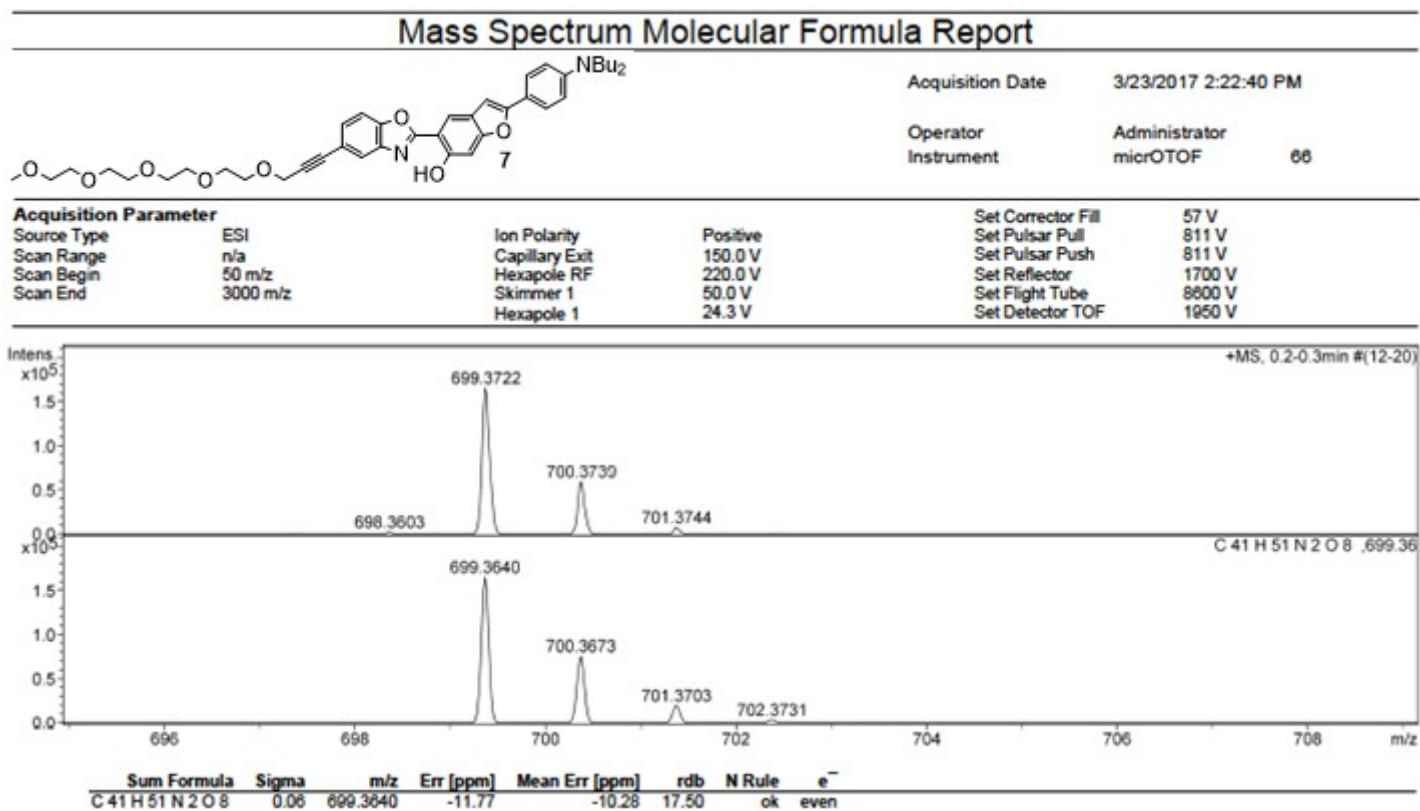


Figure S2.3 HR-MS spectrum of compound **7**

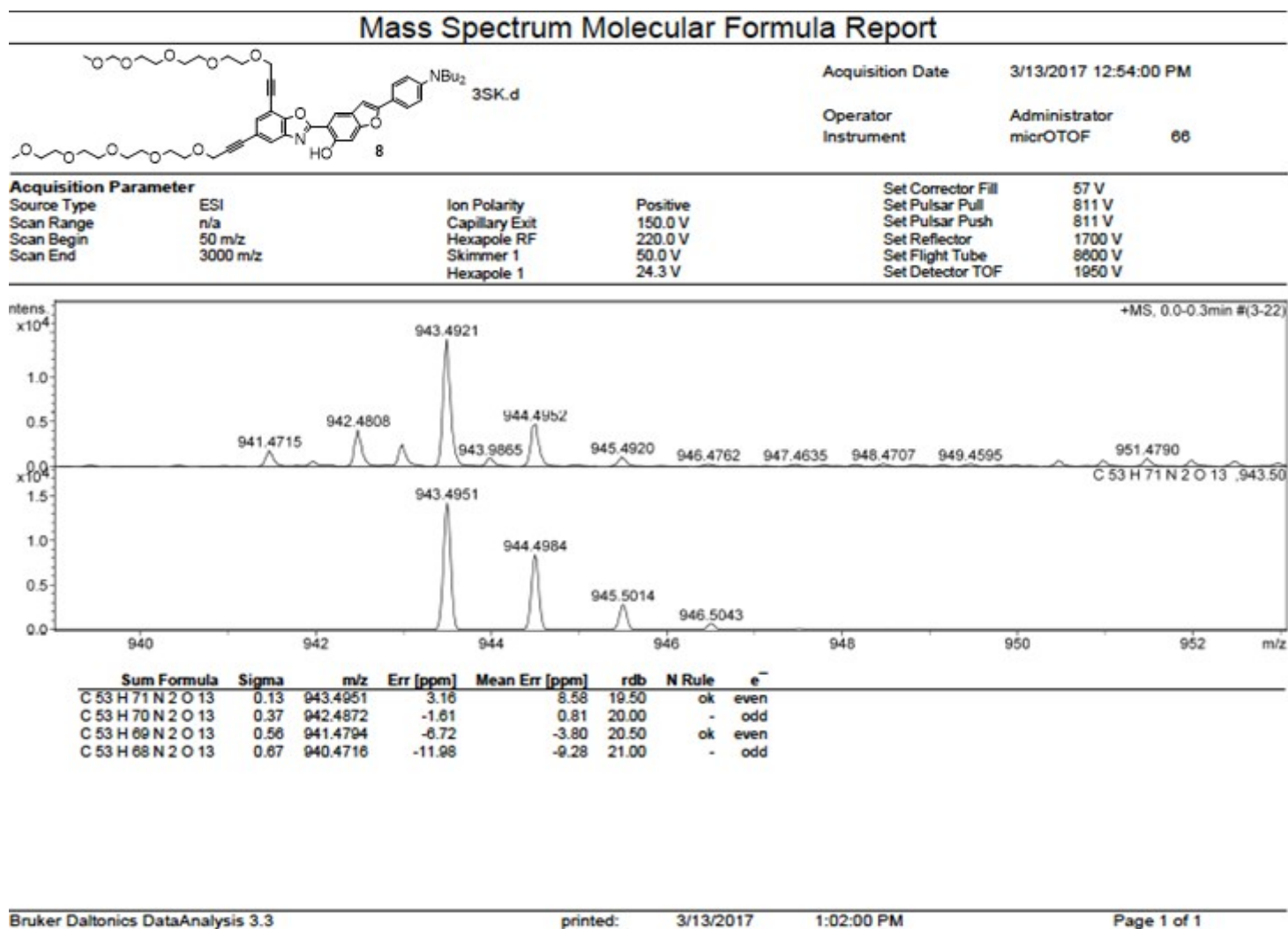


Figure S2.4 HR-MS spectrum of compound **8**

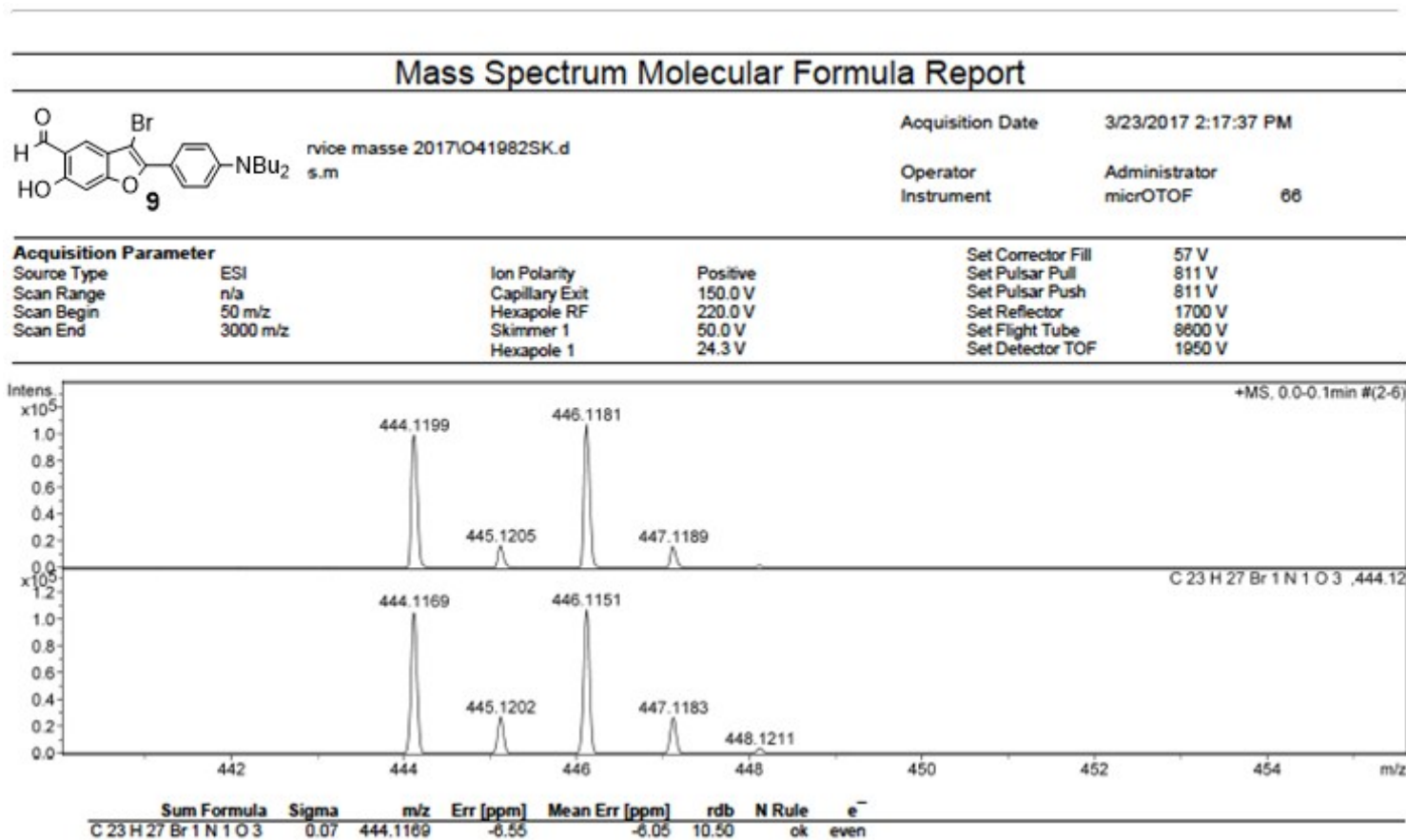


Figure S2.5 HR-MS spectrum of compound **9**

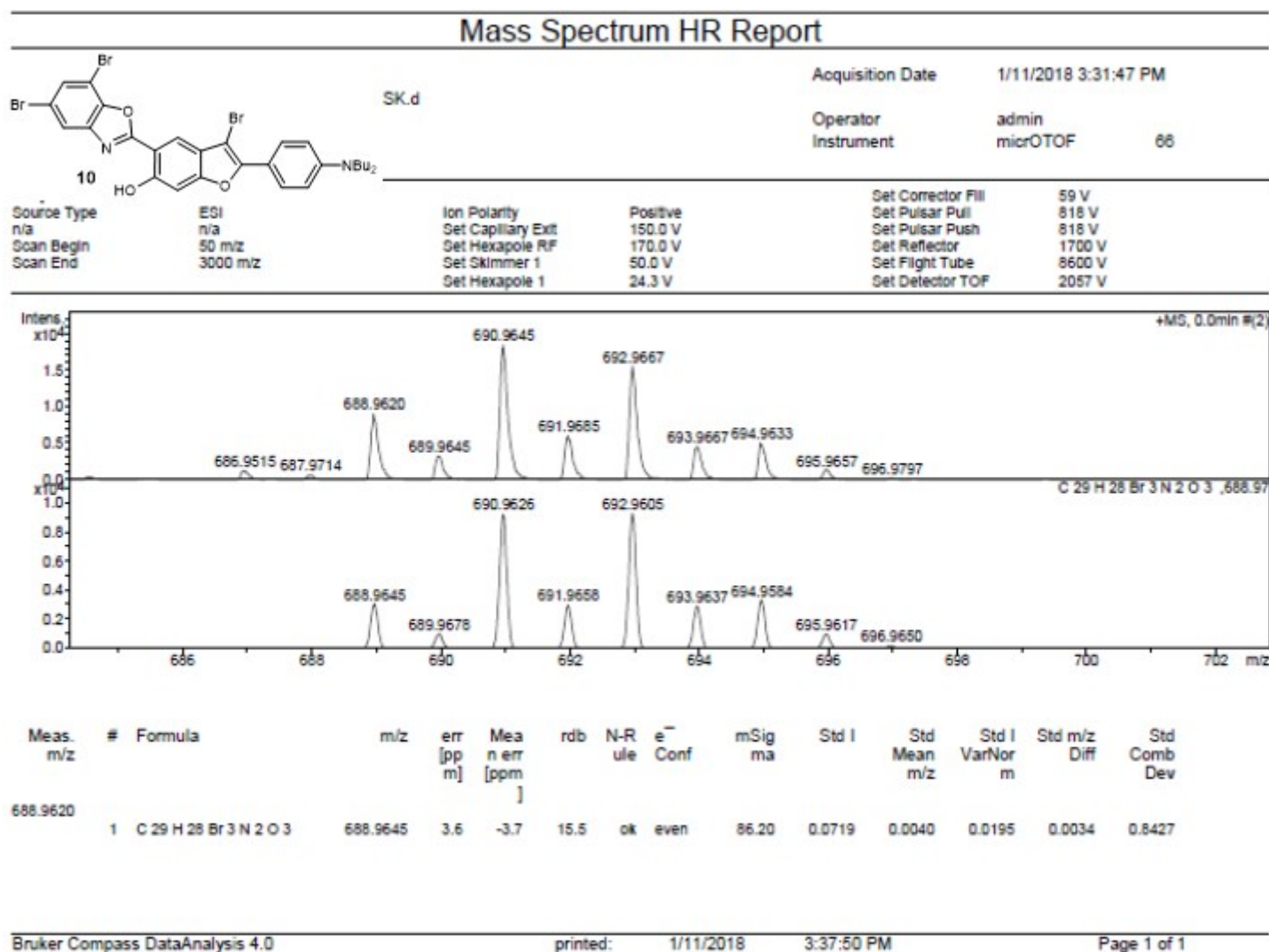


Figure S2.6 HR-MS spectrum of compound **10**

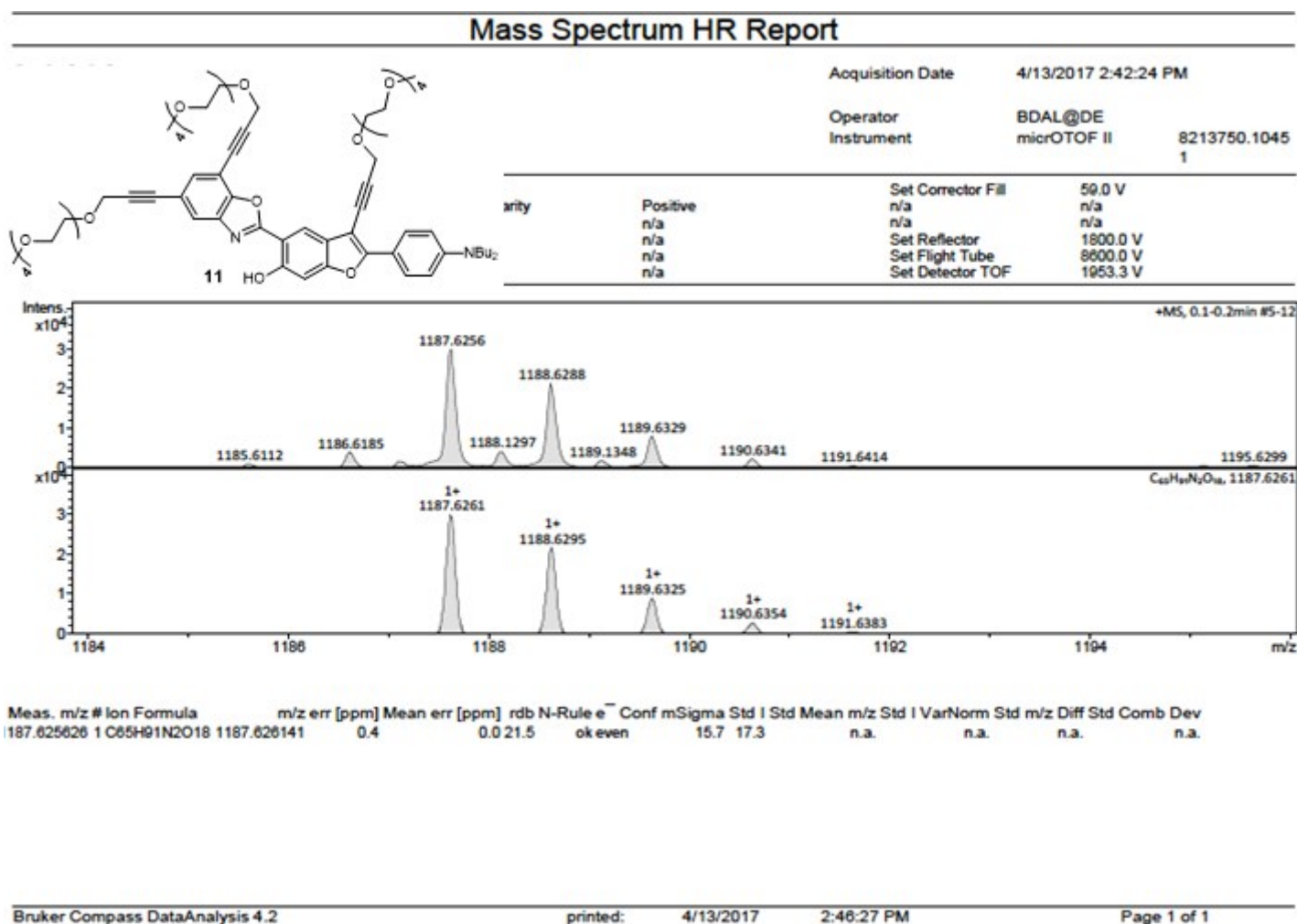
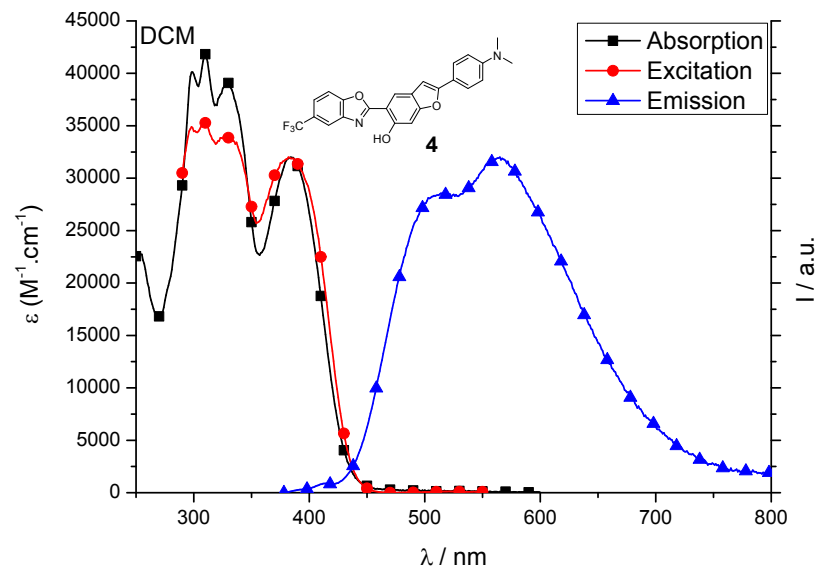
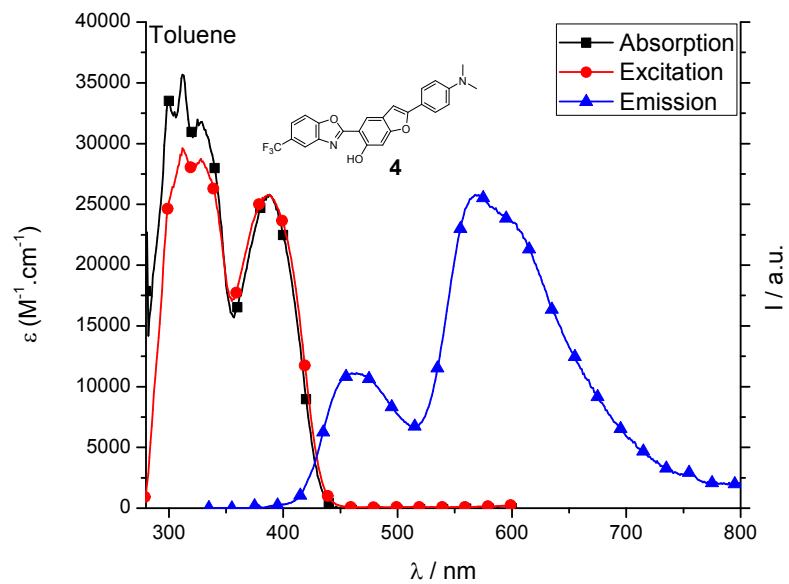
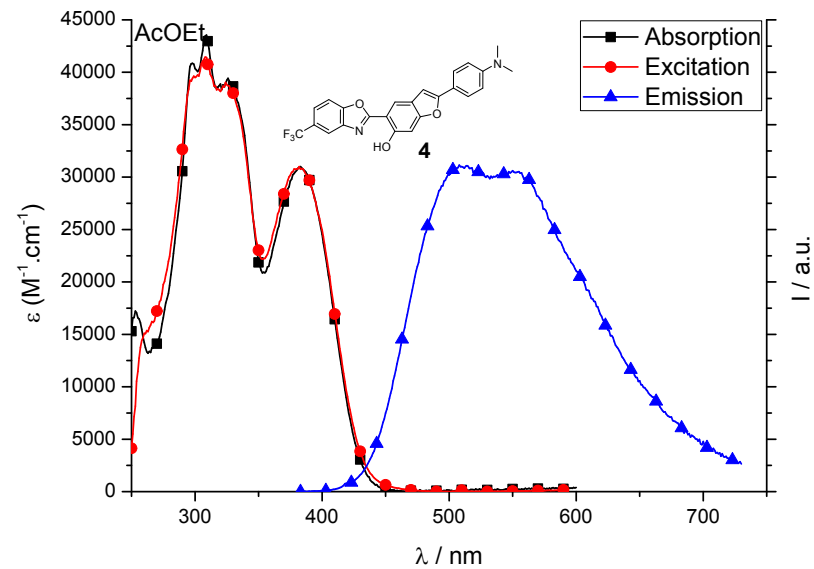
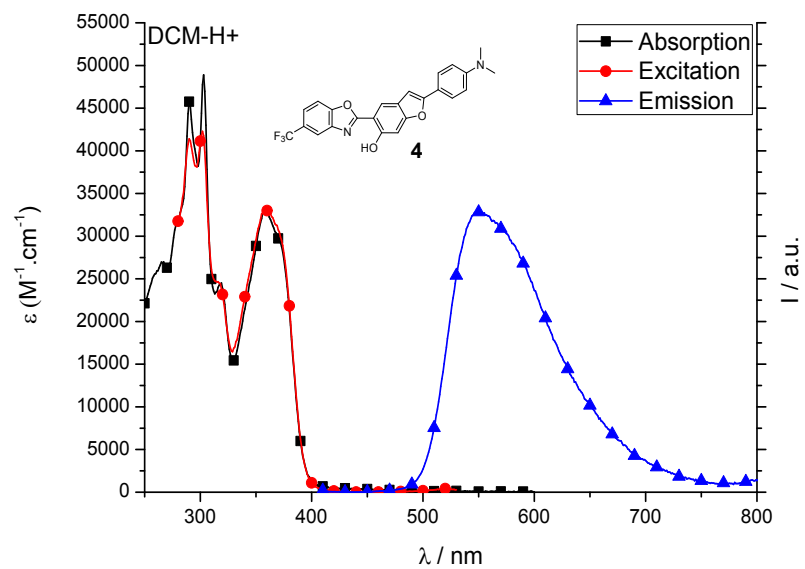
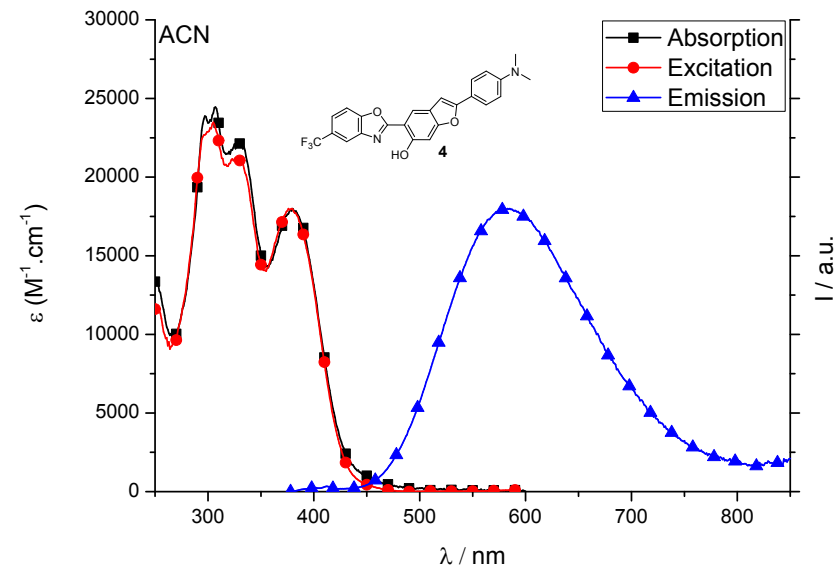
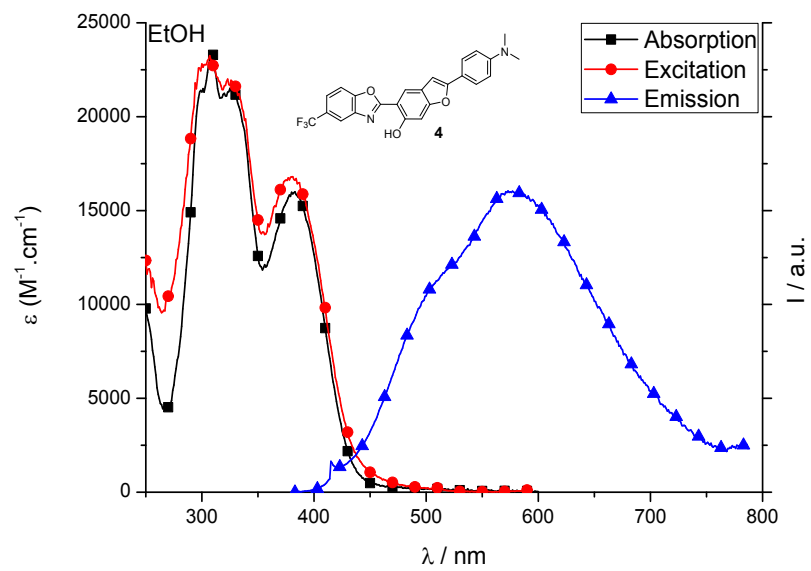


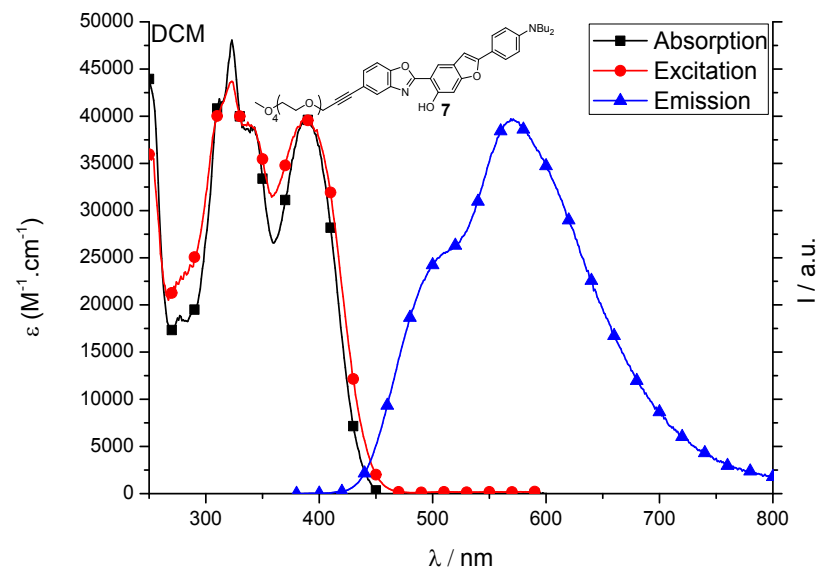
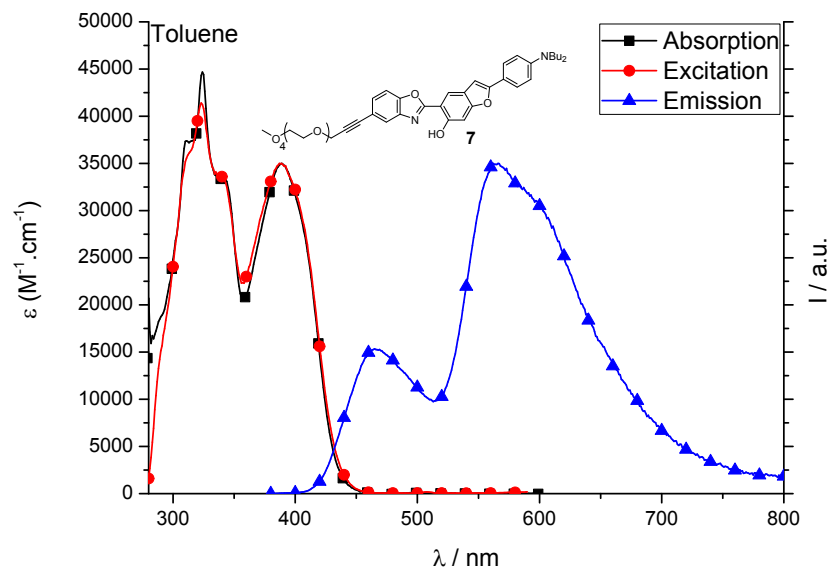
Figure S2.7 HR-MS spectrum of compound **11**

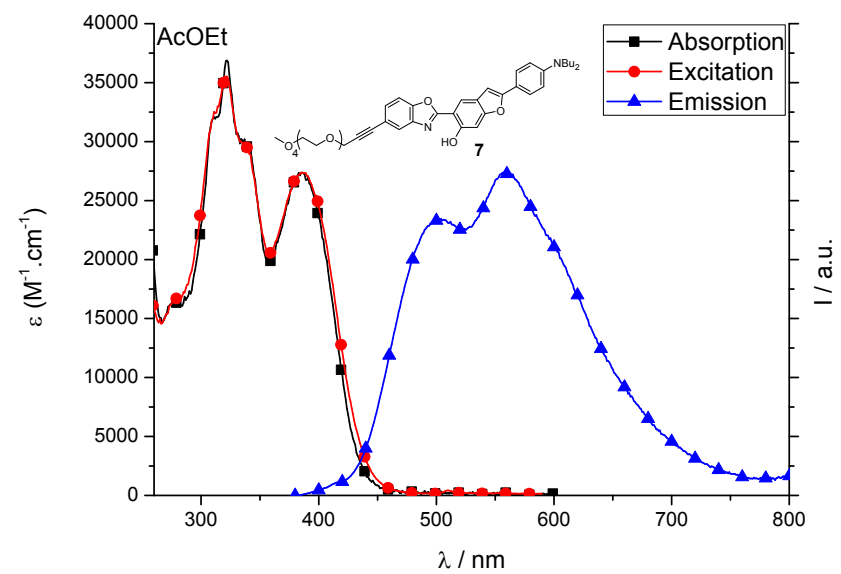
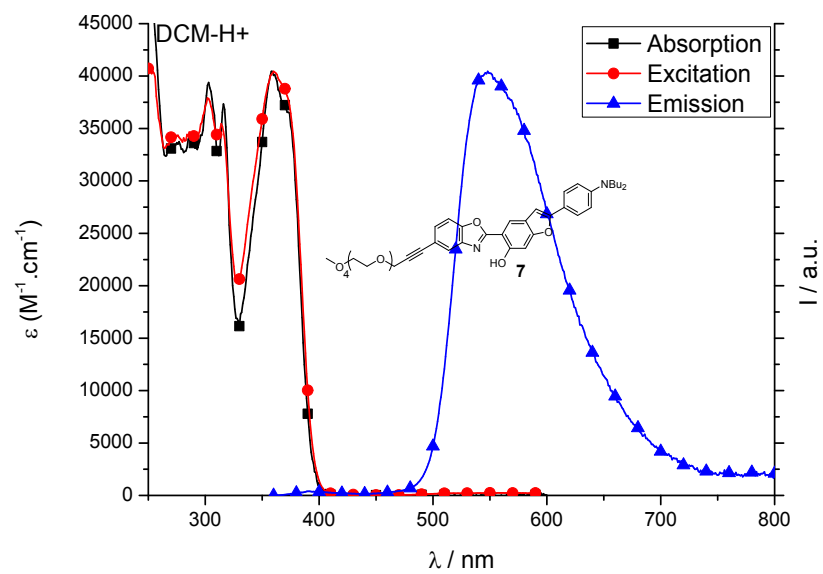
S3 Solution-state spectroscopic data

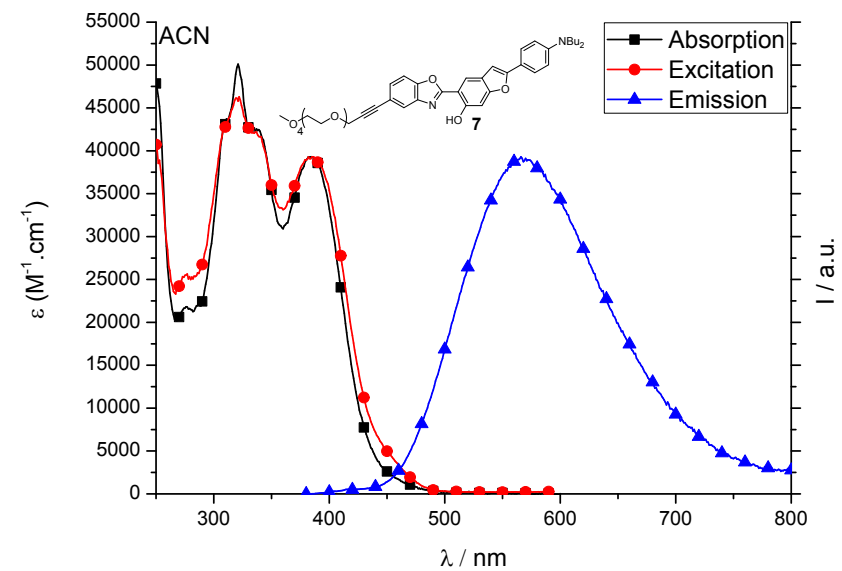
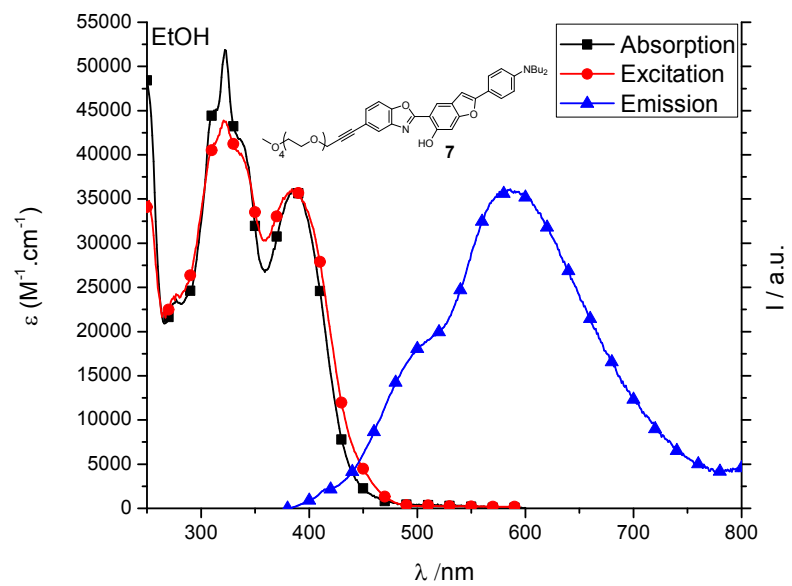


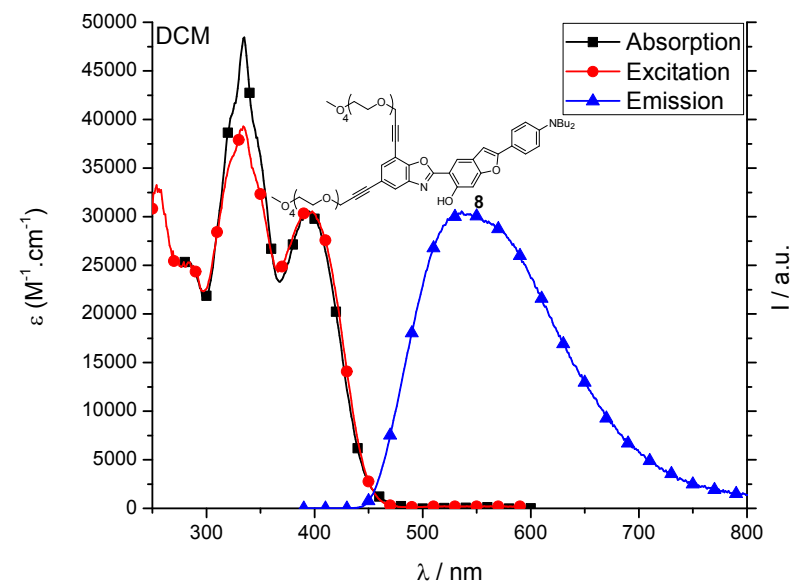
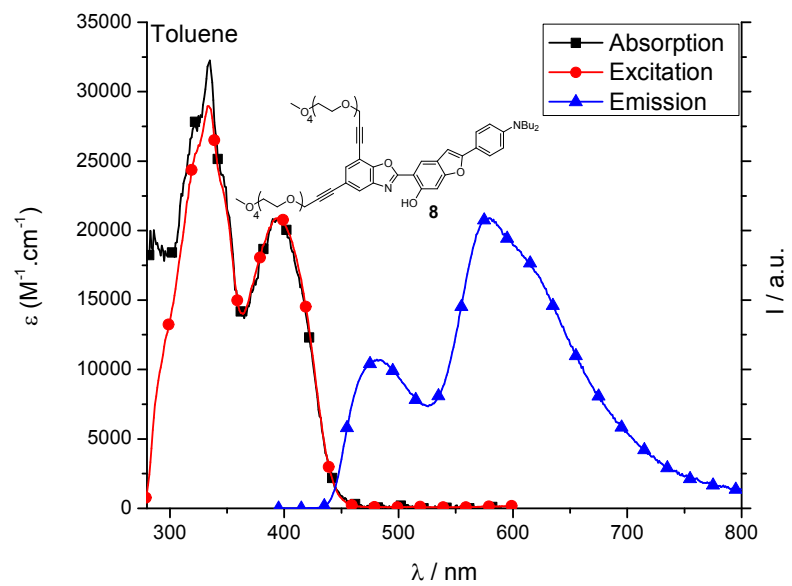


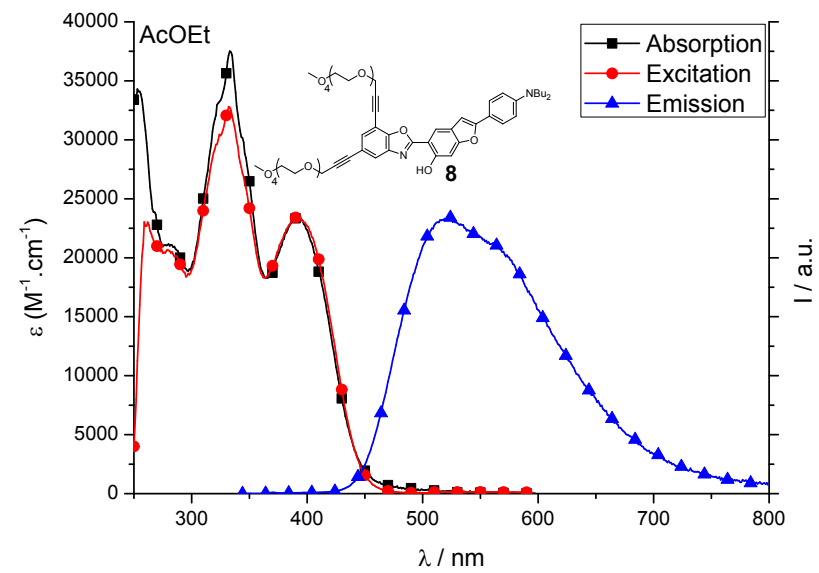
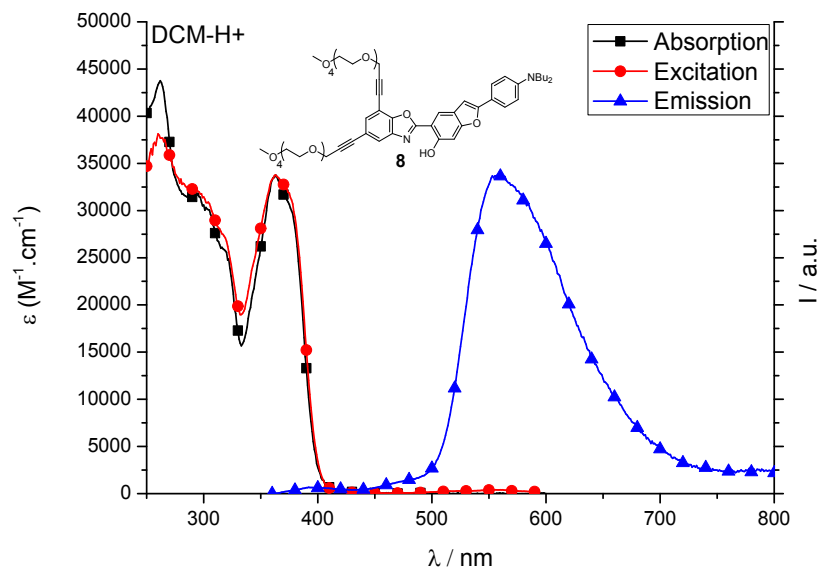


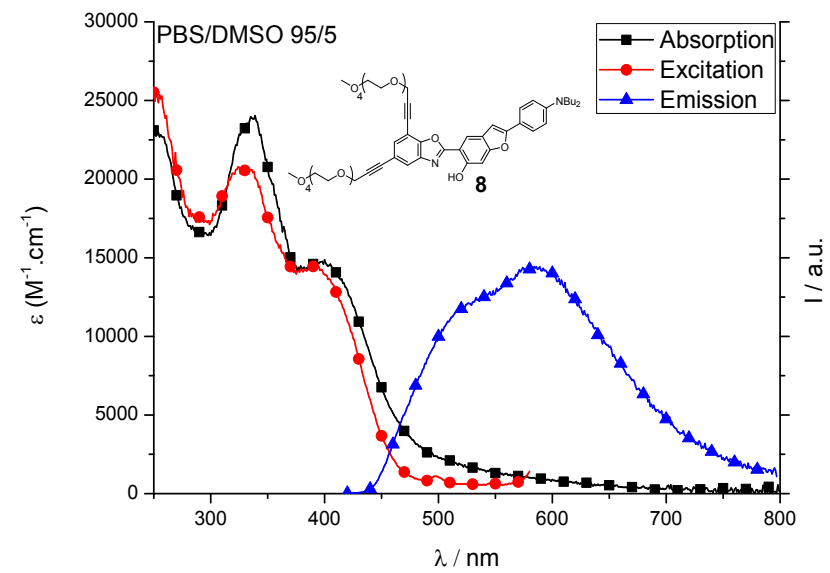
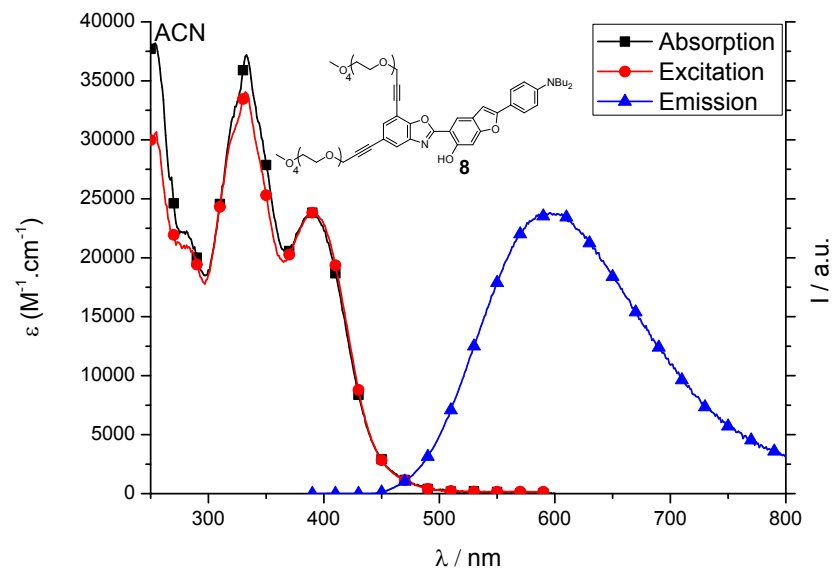


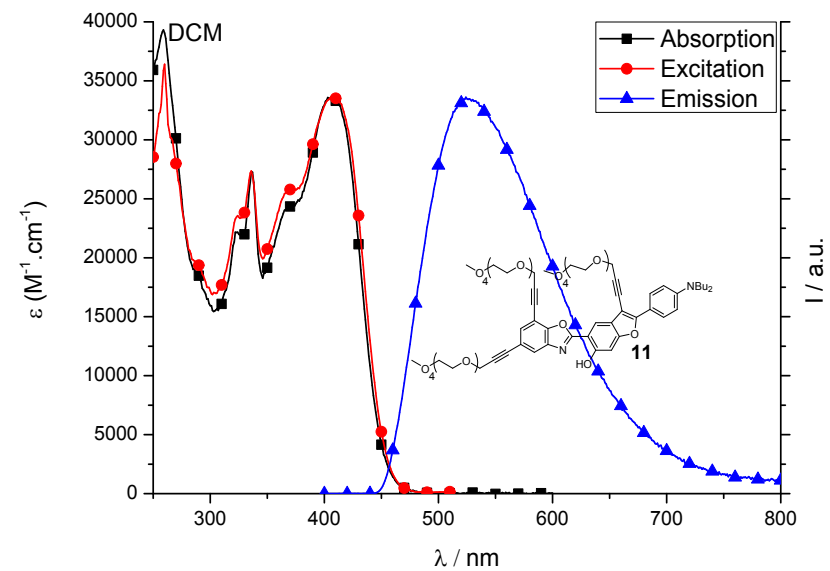
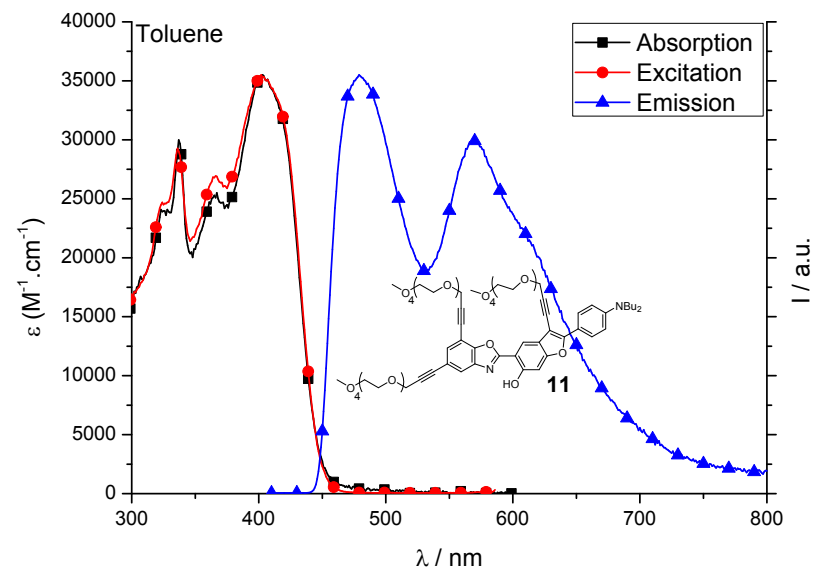


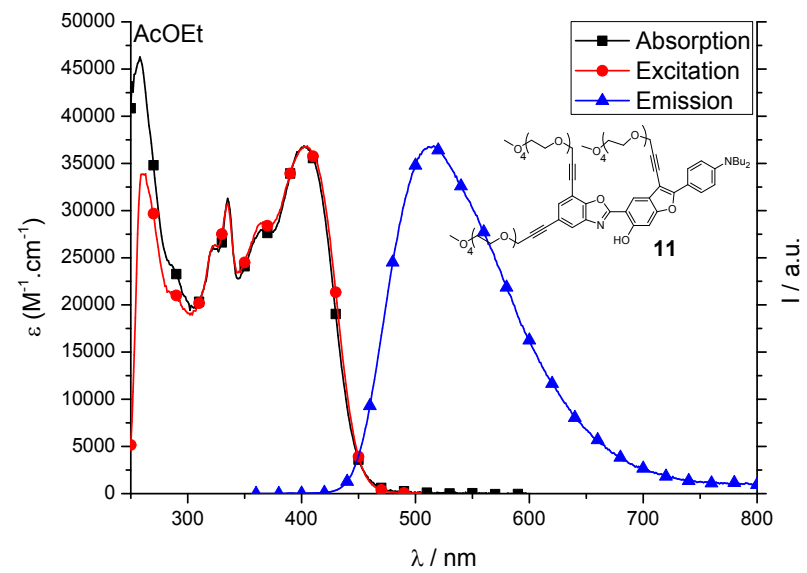
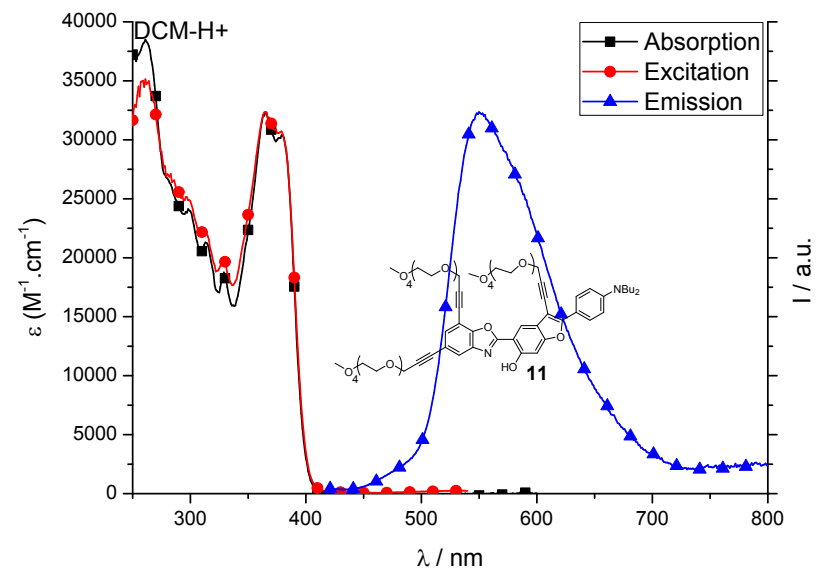


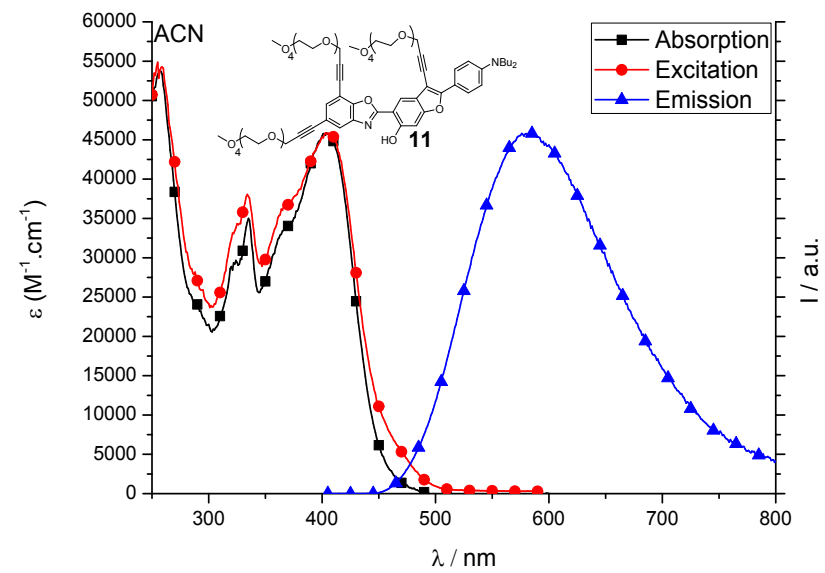
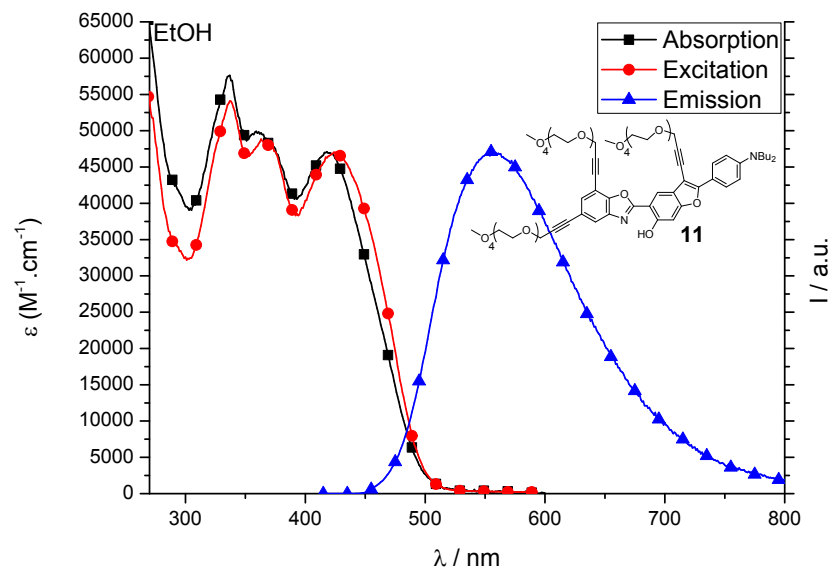


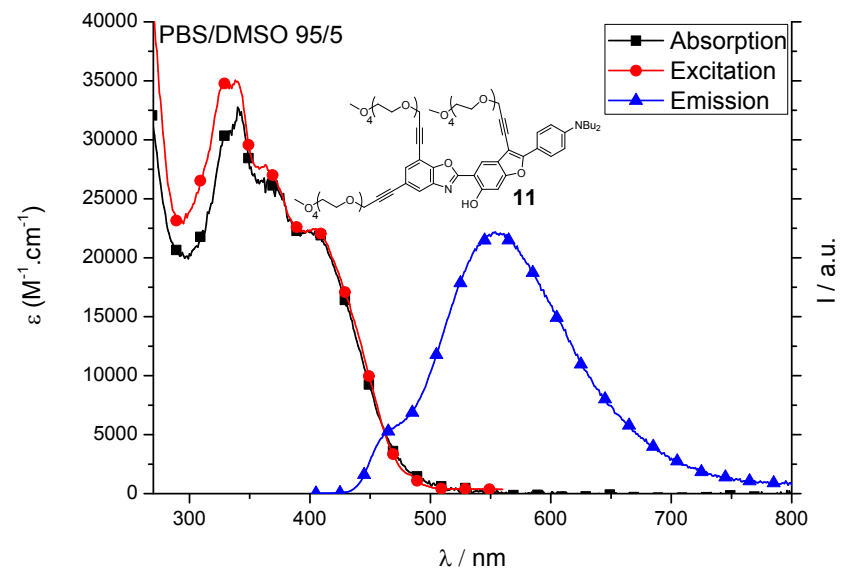












S4 Solid-state spectroscopic data

