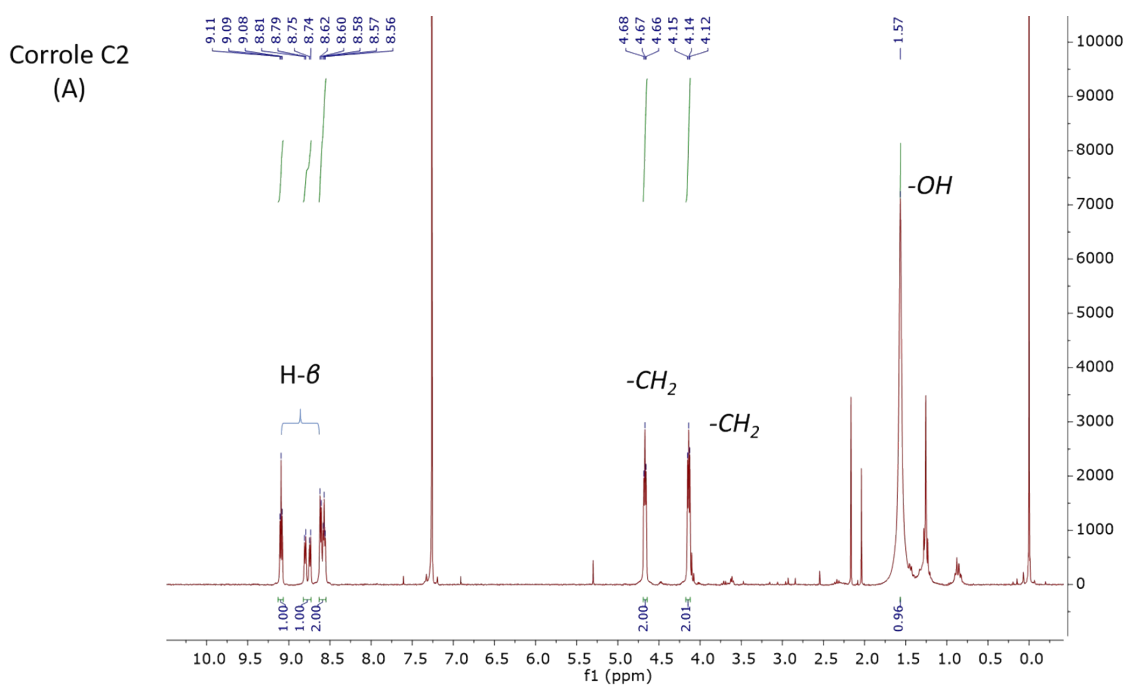


Electronic Supplementary Information

Safety assessment of new nanodiamonds@corrole hybrids addressed by the response of Raw264.7 macrophages

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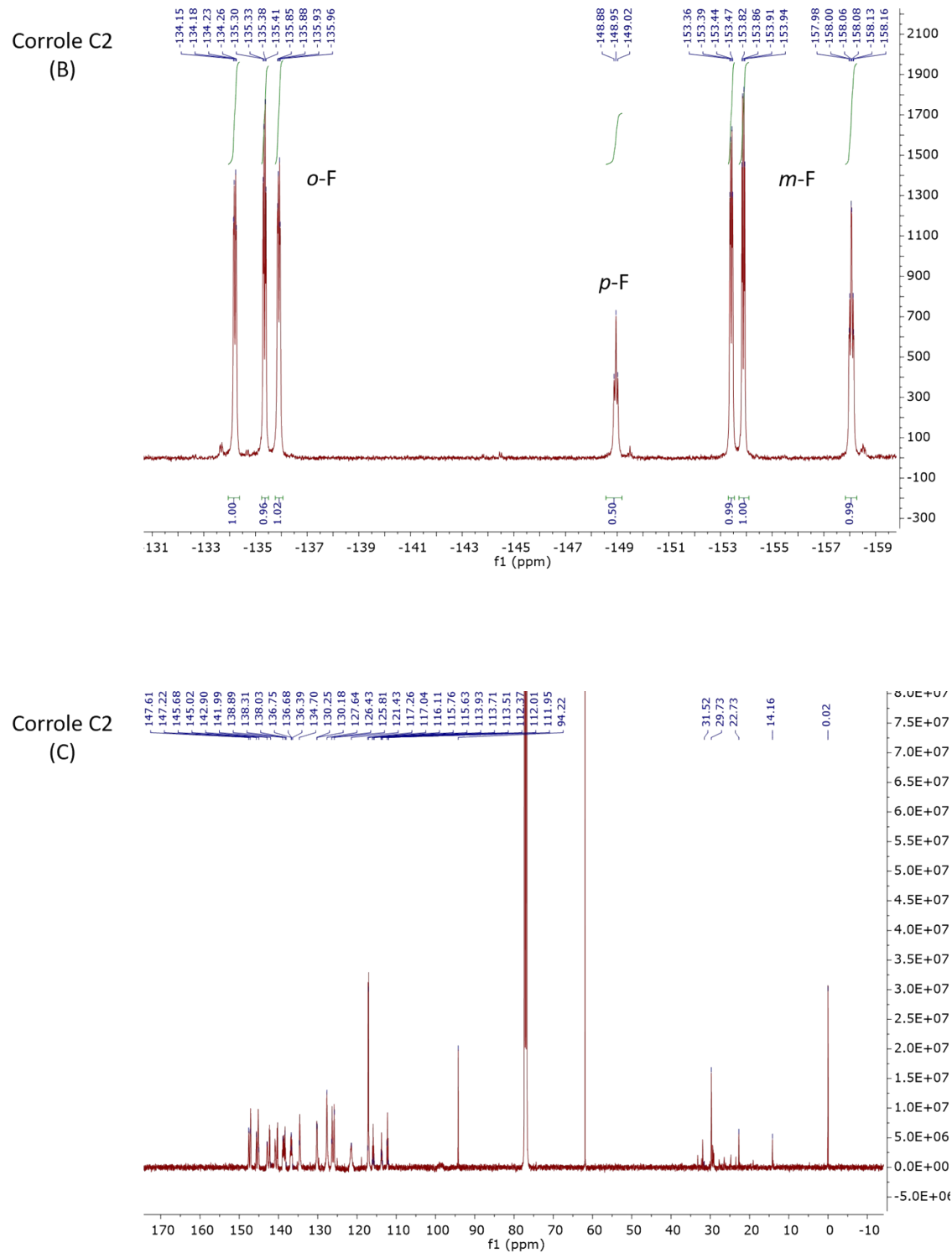
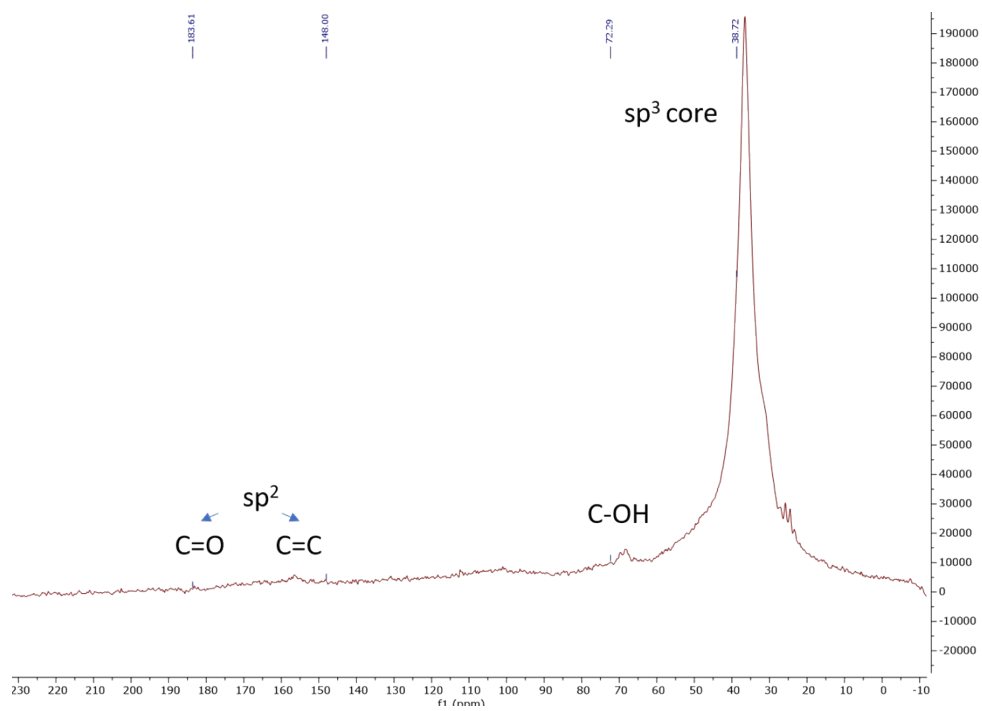


Figure S1. ^1H NMR (A), ^{19}F NMR (B) and ^{13}C NMR (C) spectra of corrole **C**₂ in CDCl_3 .

A)



B)

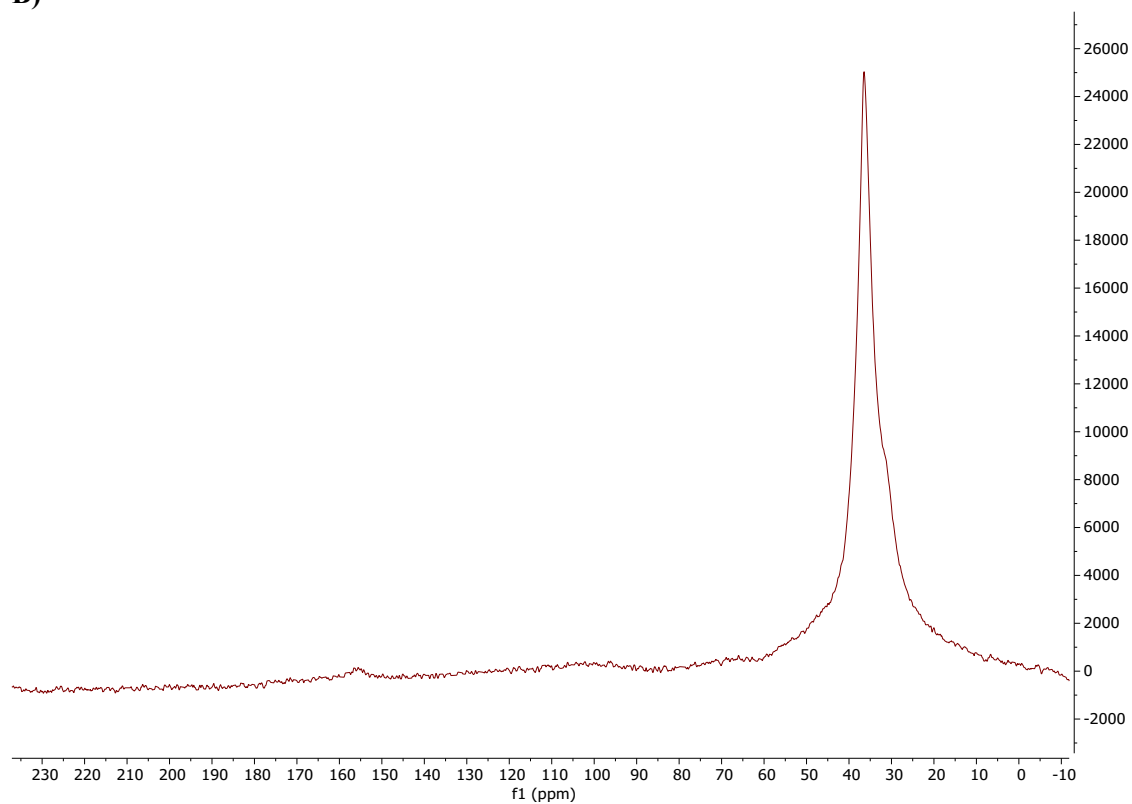


Figure S2. ^{13}C -MAS NMR spectra of NDs_COOH A) and NDs B).

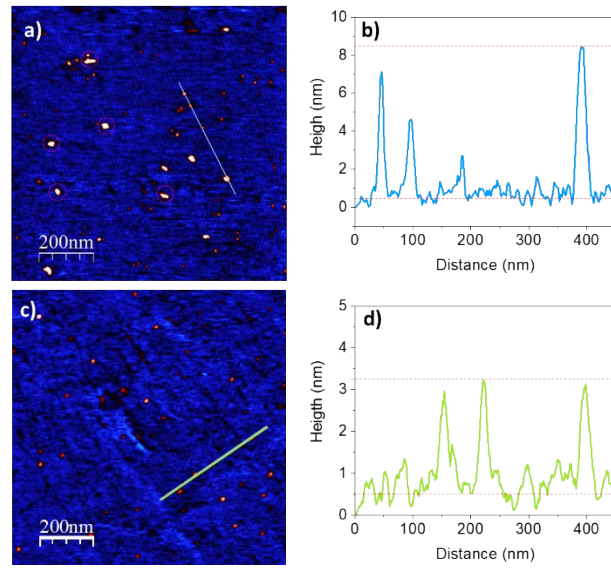


Figure S3. AFM topographic images of NDs_COOH a) and NDs_C₂ c). Cross-section of AFM images b) and d).

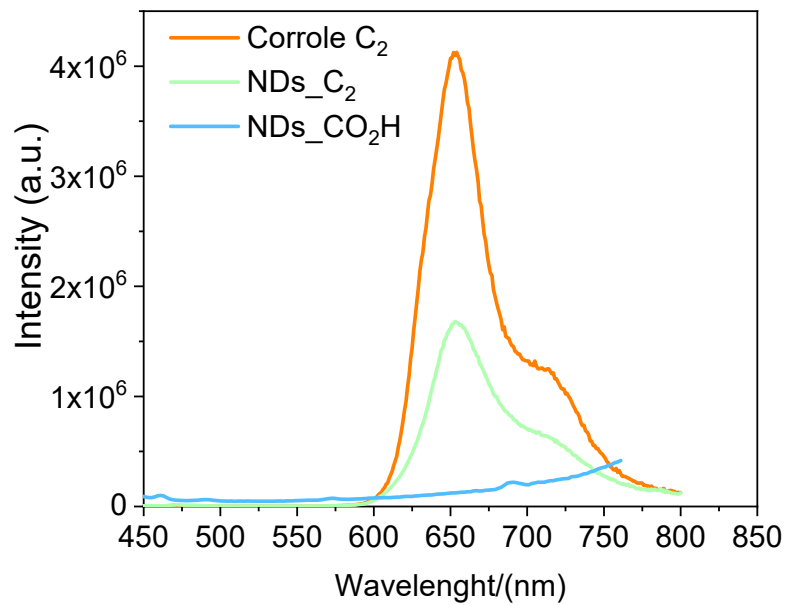
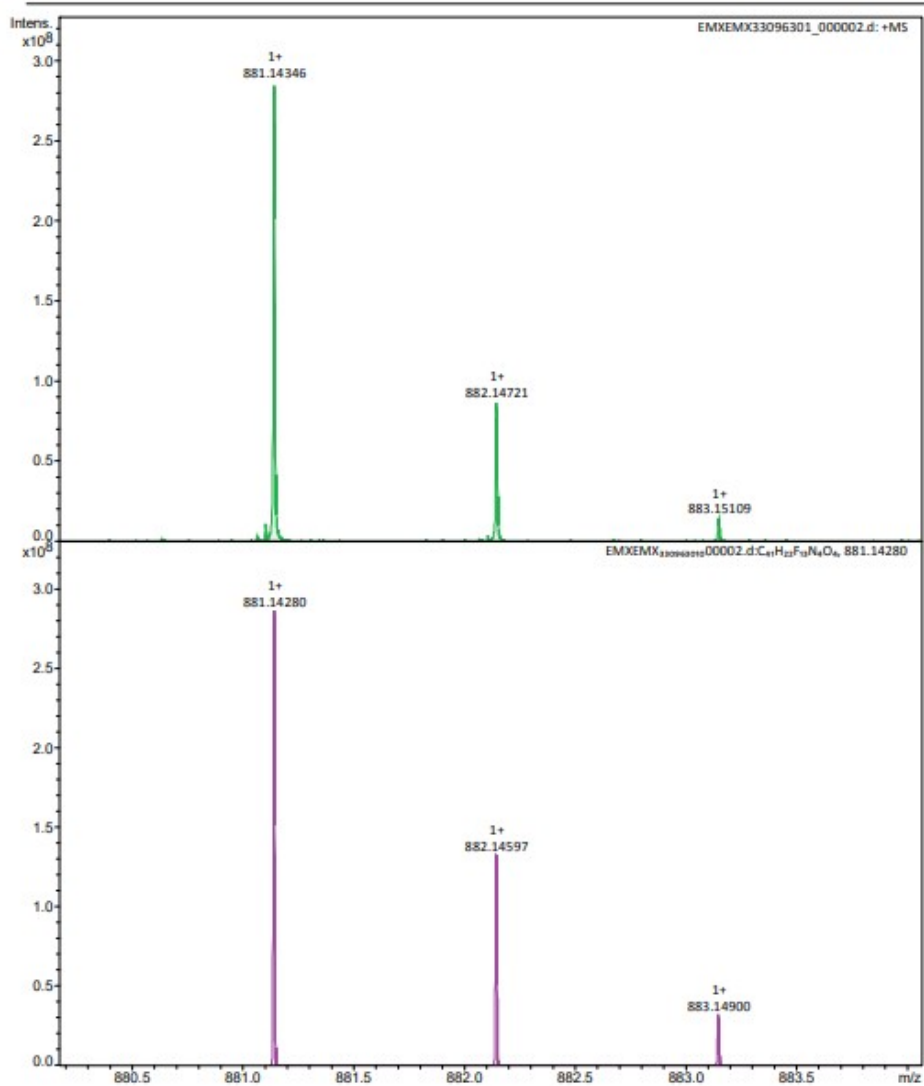


Figure S4. Emission spectra of the hybrid material and their precursors when excited at 420 nm at 298 K.

Acquisition Parameter



Mass Spectrum Molecular Formula Report

Meas. m/z	#	Ion Formula	Score	m/z	err [ppm]	Mean err [ppm]	mSigma	rdB	e ⁻ Conf	N-Rule
881.143458	1	C ₃₉ H ₁₉ F ₁₄ N ₈ O	62.36	881.145278	2.1	1.2	78.6	28.0	even	ok
	2	C ₄₁ H ₂₂ F ₁₃ N ₄ O ₄	100.00	881.142798	-0.7	-1.1	84.5	27.0	even	ok
	3	C ₄₂ H ₁₈ F ₁₃ N ₈	60.25	881.144135	0.8	0.1	95.8	32.0	even	ok
	4	C ₄₄ H ₂₁ F ₁₂ N ₄ O ₃	22.72	881.141655	-2.0	-2.2	101.8	31.0	even	ok

Figure S5. ESI mass spectrum of corrole C₂.

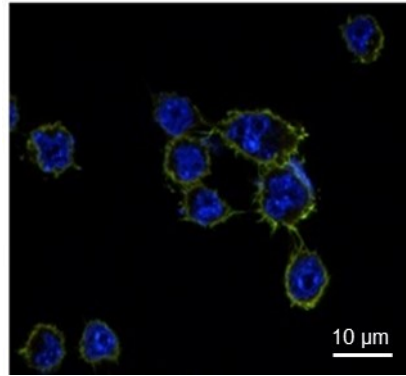


Figure S6. Morphology evaluation by confocal microscopy of RAW-264.7 macrophages after 24 h of culture in absence of nanomaterials. Cells were stained with DAPI for the visualization of the cell nuclei in blue and Alexa Fluor 488-Phalloidin for the visualization of cytoplasmic F-actin filaments in green.