

Figure S1

Figure S1. H₂S slow-releasing from Na₂S and DADS. **a)** Calibration curve of H₂S formation by methylene blue assay, obtained at different concentration of Na₂S by absorbance 670 nm. **b)** H₂S-release at different concentrations of DADS in DMSO, in the presence of 1 mM DTT in 50 mM Tris-HCl, pH 7.4 buffer. The H₂S concentrations were calculated using a calibration curve obtained at different concentrations of Na₂S. Each bar represents the ±SD of three experiments as biological replicas.

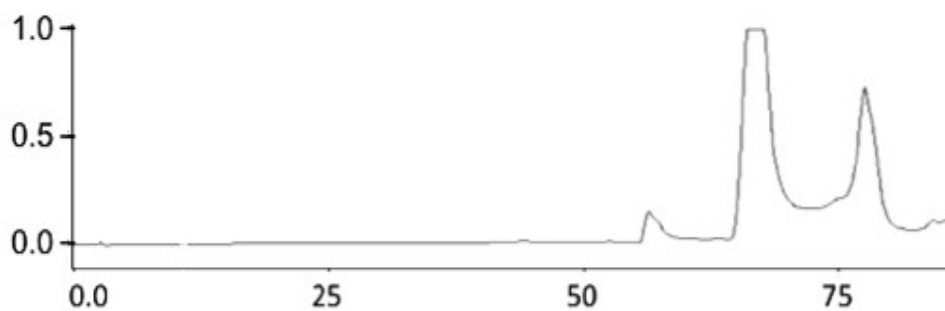


Figure S2

Figure S2. RP-HPLC of DADS. RP-HPLC chromatogram of DADS obtained using C₁₈ column at 0.8 ml/min flow rate. The elution was performed with a linear gradient of solv. B (80%CH₃CN, 0.1% TFA).

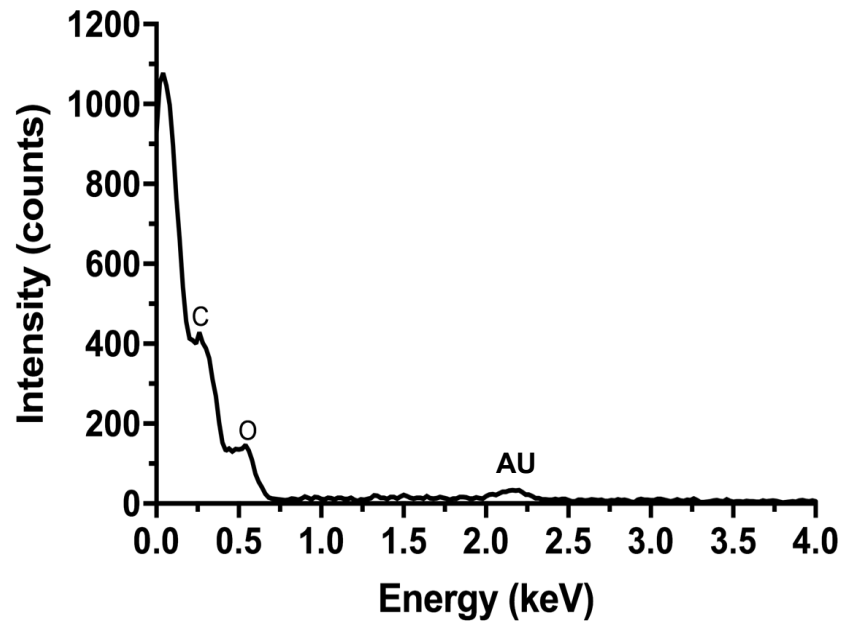


Figure S3

Figure S3. EDS of neat PFM

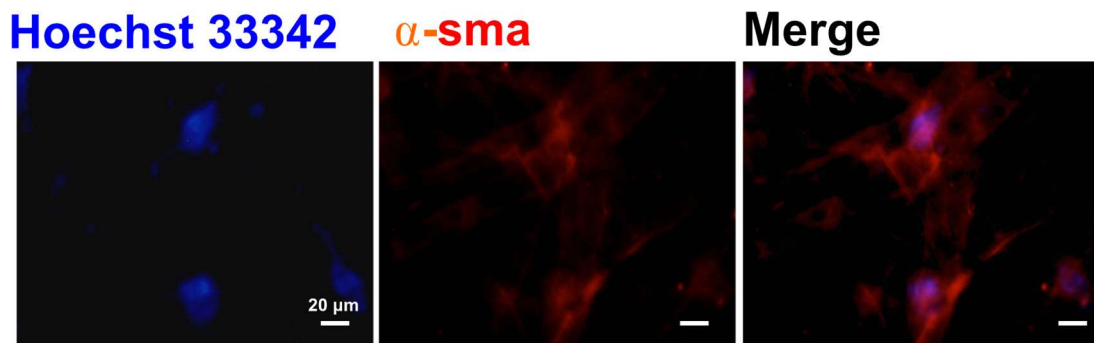


Figure S4

Figure S4. Fluorescence confocal micrographs of cMSC cultured on PFM for 3 days. The nuclei are stained with Hoechst 33342 (in blue) and the expressions of α -sma (in red) are detected. Scale bars= 20 μ m.