

Supplementary Materials

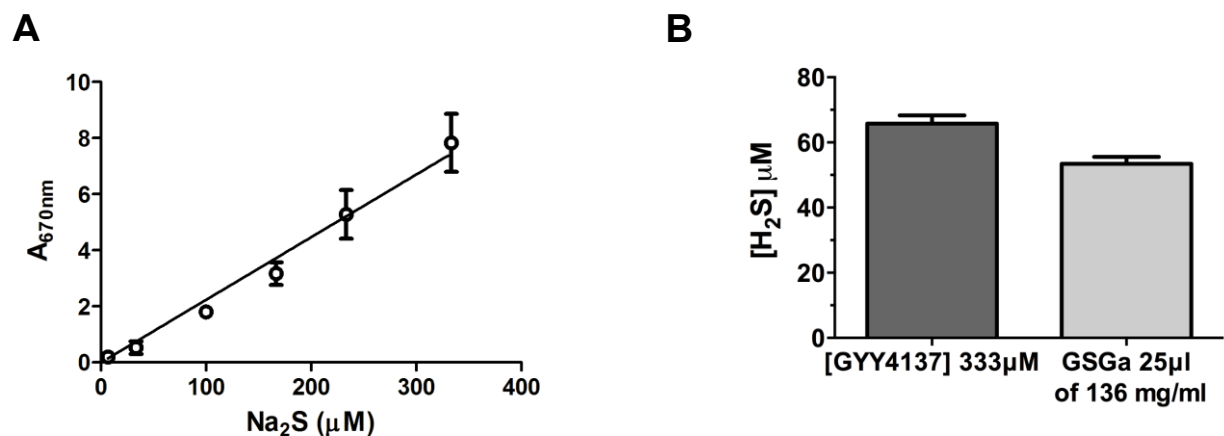


Figure S1. Calibration curve of H₂S-release. **A)** Calibration curve of H₂S release obtained using different concentrations of Na₂S. **B)** Amount (in μM) of H₂S released by 333 μM GYY4137 and 25 μl of GSGa (136 mg d.w./ml); measured by MB assay and spectrophotometric analysis.

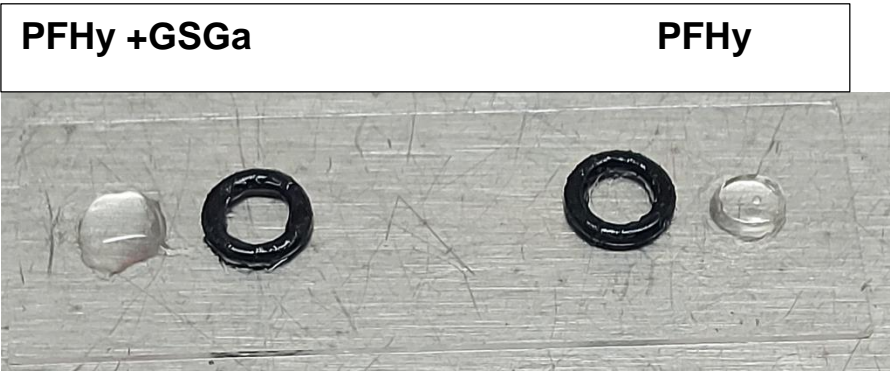
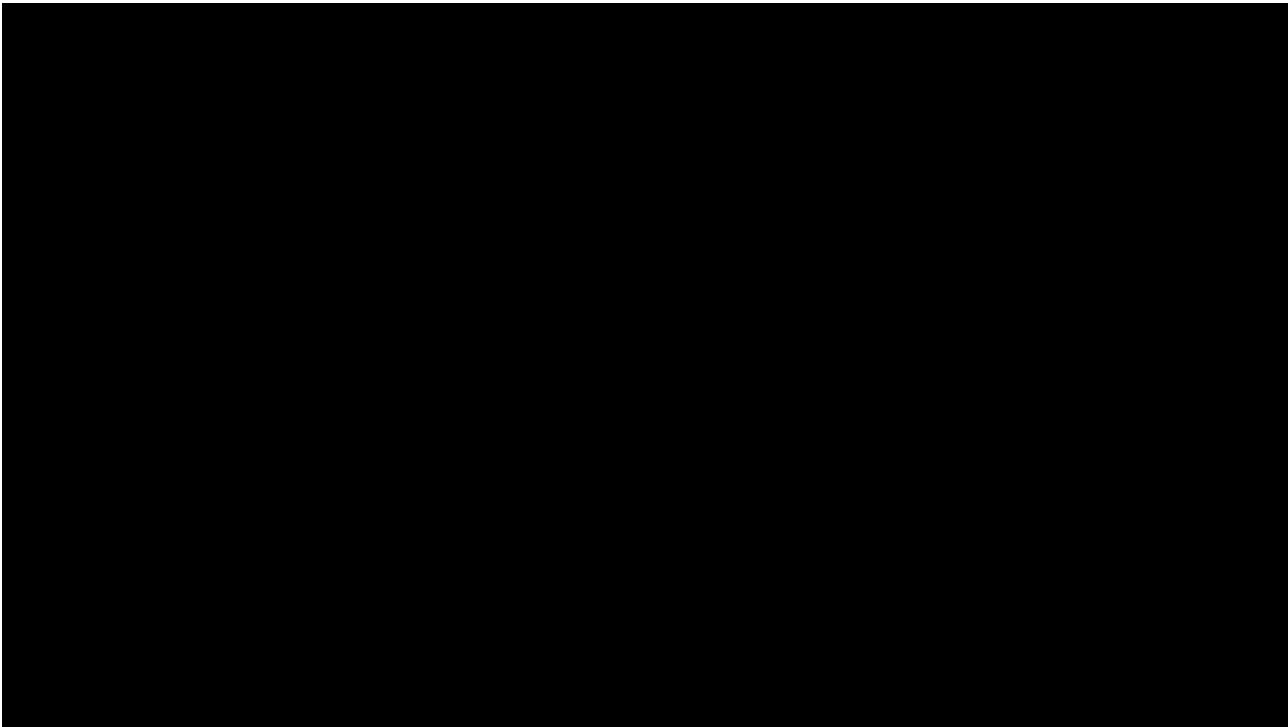
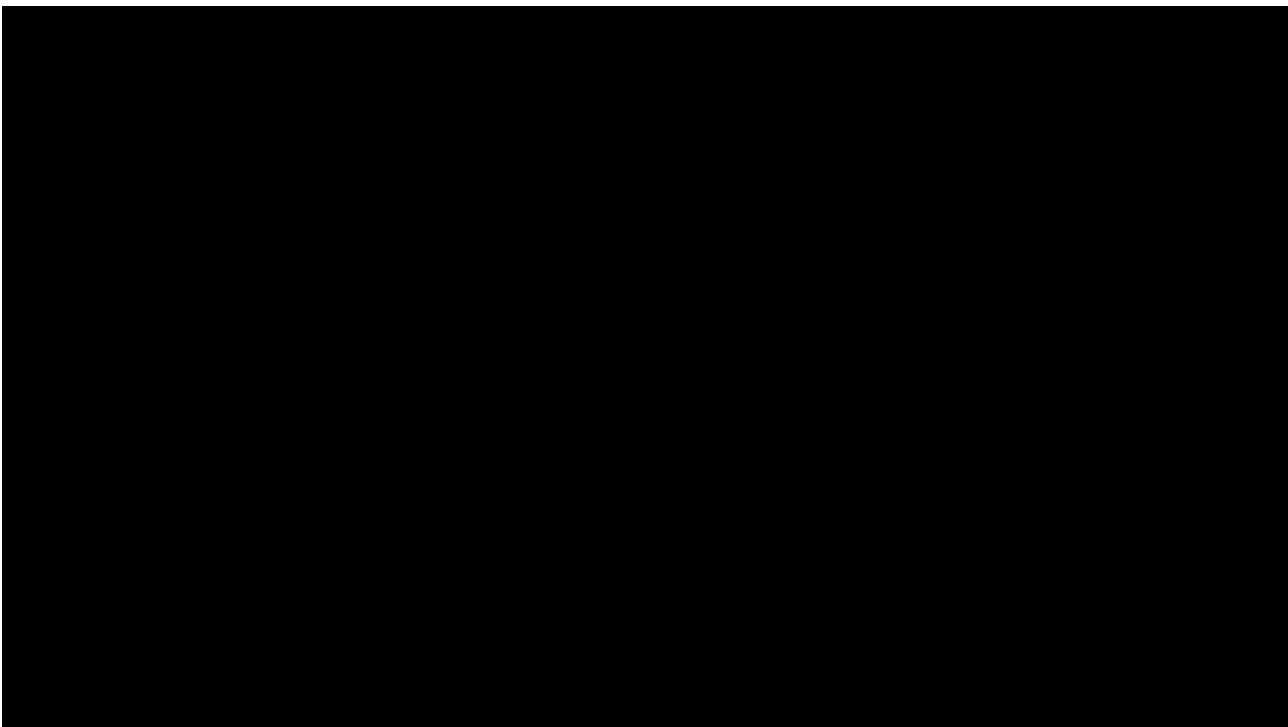


Figure S2. Inhibition of the PFHy photopolymerization by GSGa. PFHy (50μL) preparation in the presence and in the absence of GSGa (31.5 μg d.w./ 5μL).

cMSC



GSGa-cMSC



Video of bright field microscopic analysis of cMSC and GSGa pre-treated cMSC embedded in 3D-PFH_y and cultured for 7 days.