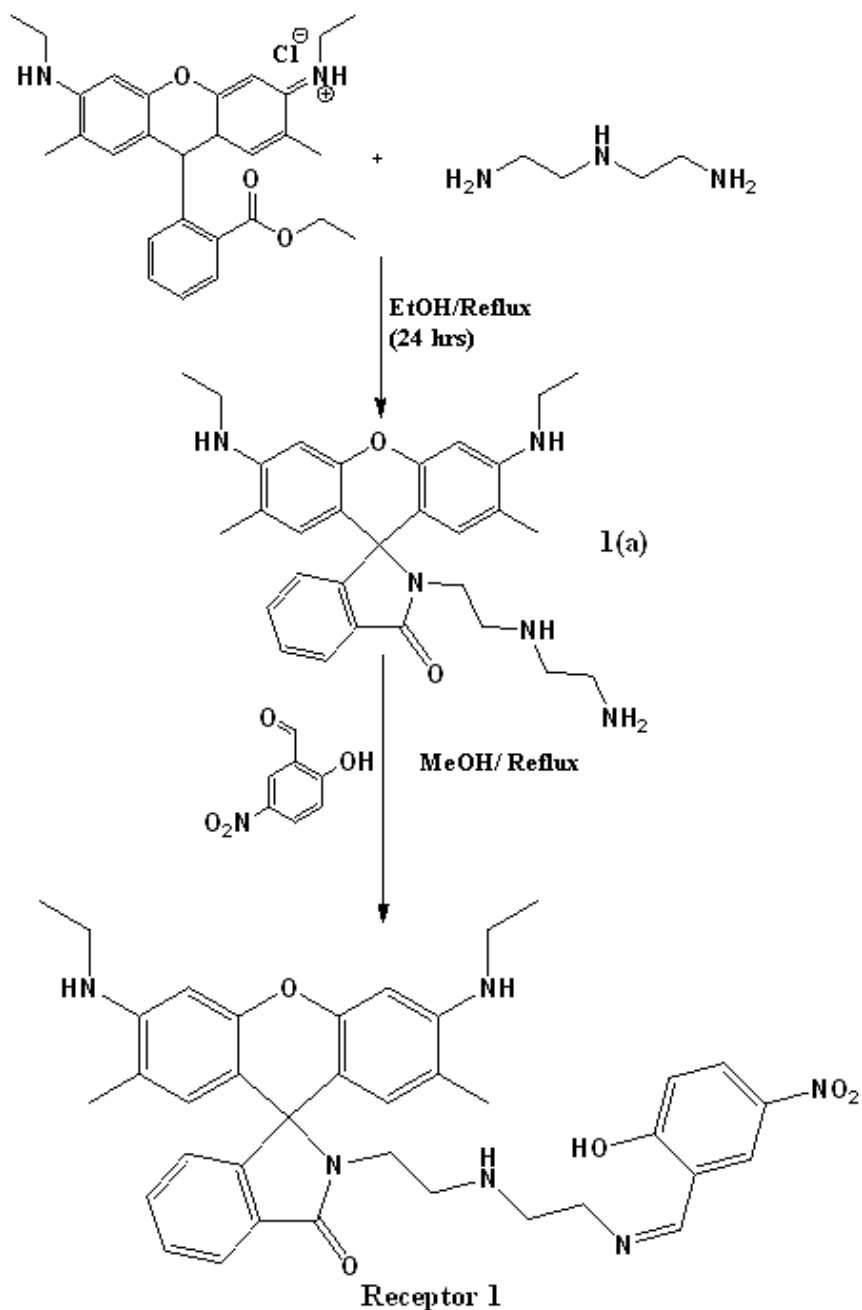


Supplementary Information

Fluoremetric Appraisal of HSO_4^- in Aqueous Media and Daily Utilities using Organic-Inorganic Nanohybrids

Rajinder Kaur^{a†}, Jasminder Singh^{b†}, Anu Saini^a, Narinder Singh^{b*}, Navneet Kaur^{a,*}

Scheme 1



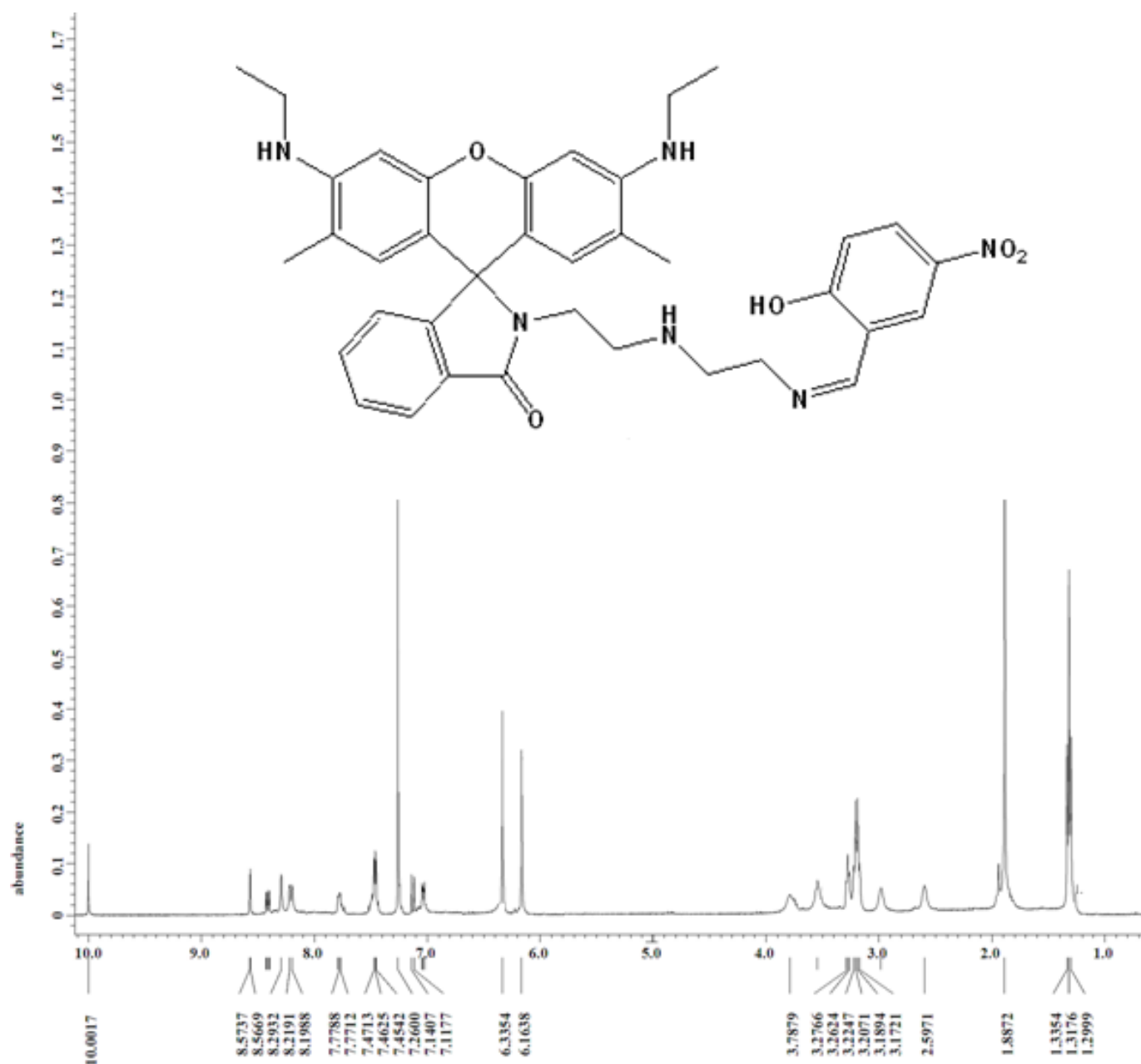


Figure S1. ^1H NMR spectrum of compound 1.

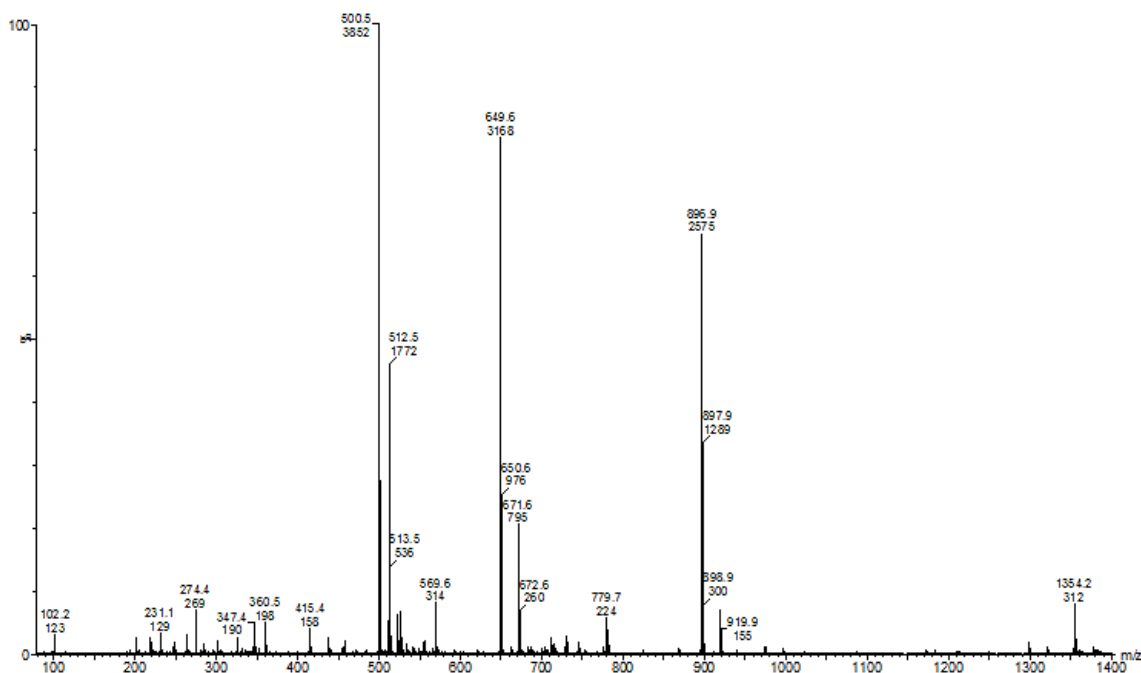


Figure S3. Mass spectrum of compound 1.

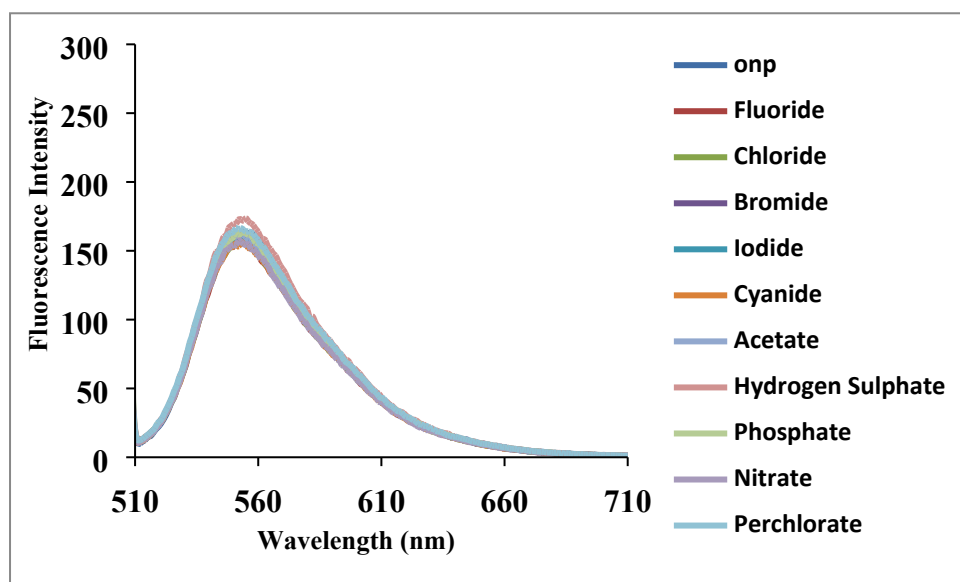


Figure S4. Change in emission spectra of ONP N1 (385 nM) in water on addition of 10 μ M of TBA salts of anions (F^- , Cl^- , Br^- , I^- , NO_3^- , CH_3COO^- , $H_2PO_4^-$, CN^- , ClO_4^- , HSO_4^-).

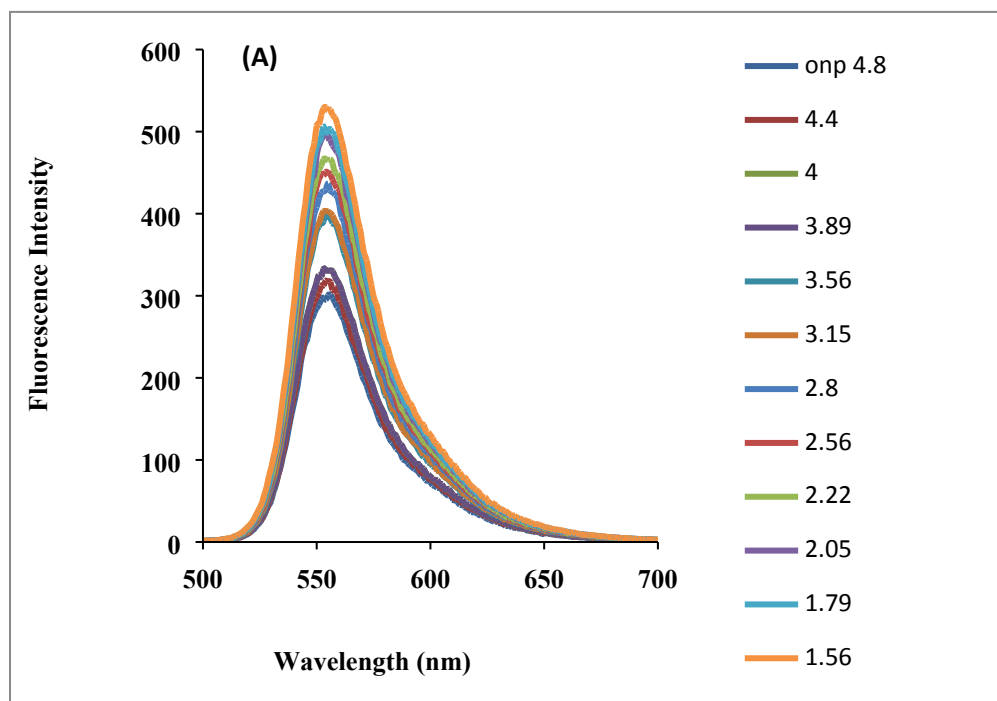
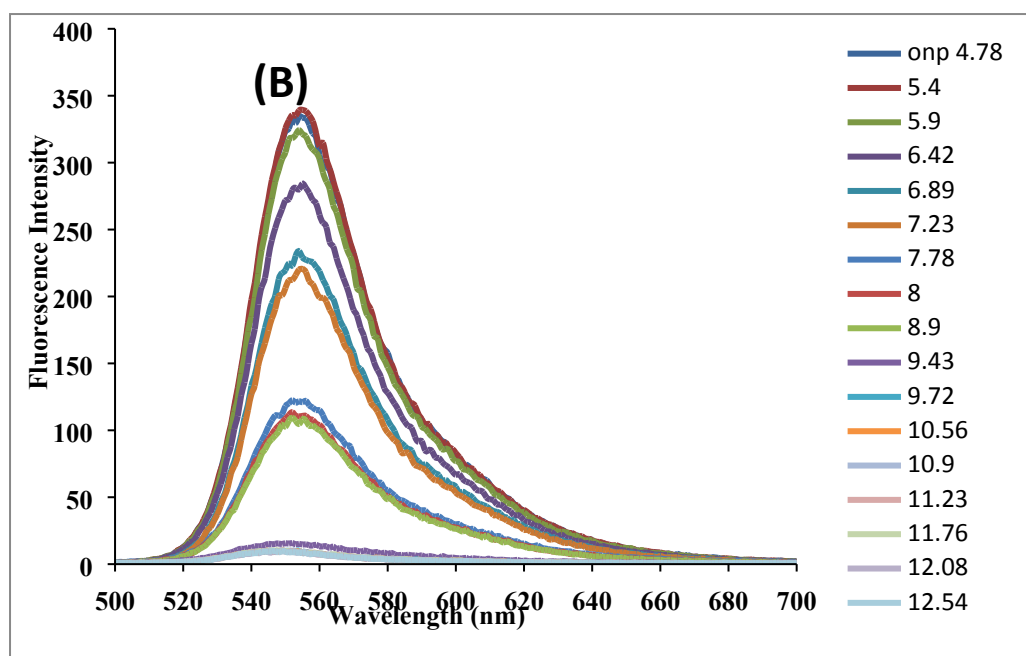


Figure S5. (A) Effect of addition of acid on hybrid nanomaterial **H1** (AuNP+ONP) (0.1mM);
 (B) Effect of addition of base on hybrid nanomaterial **H1** (AuNP+ONP) (0.1mM).

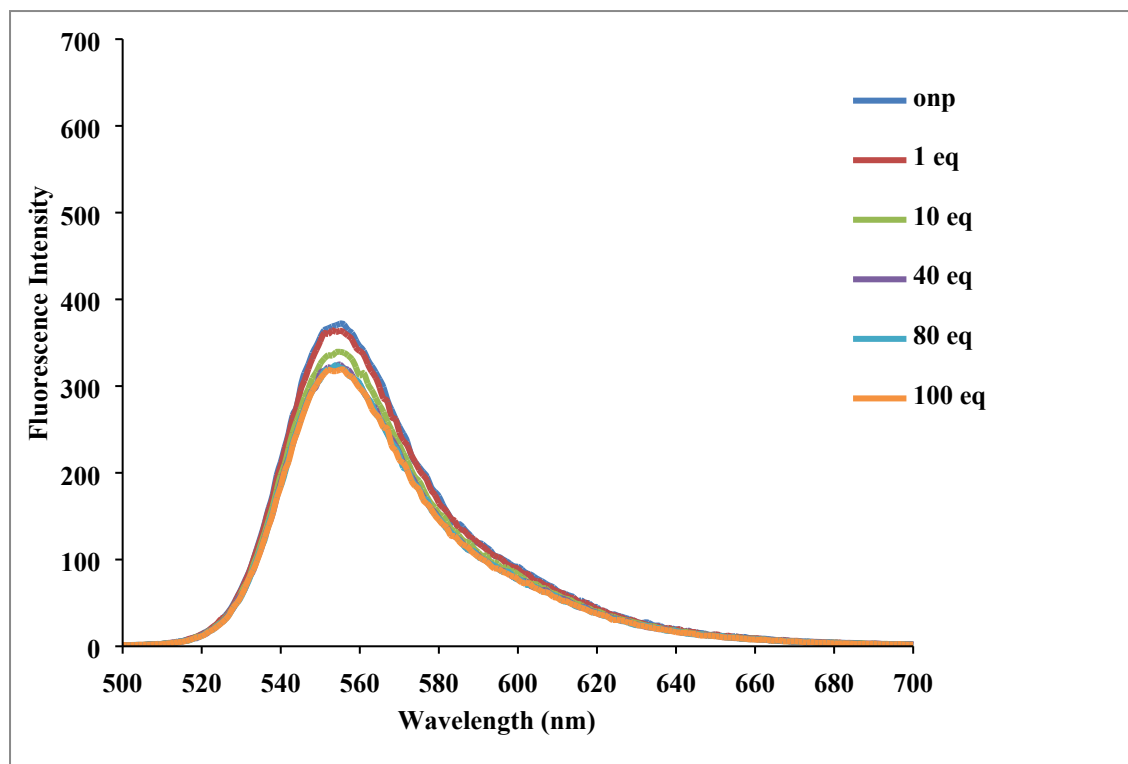


Figure S6. Effect of ionic strength on hybrid nanomaterial **H1** upon addition of 0- 100 equiv. of TBA salt of perchlorate

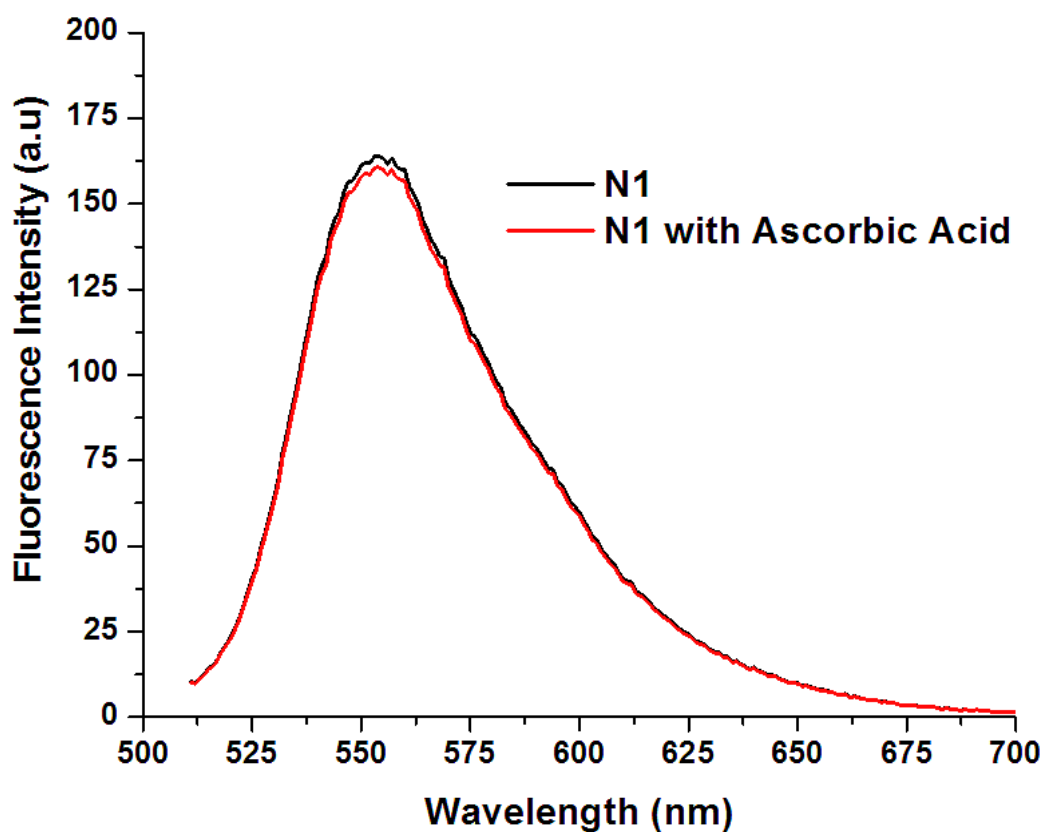


Figure S7. Effect of addition of ascorbic acid to solution of N1

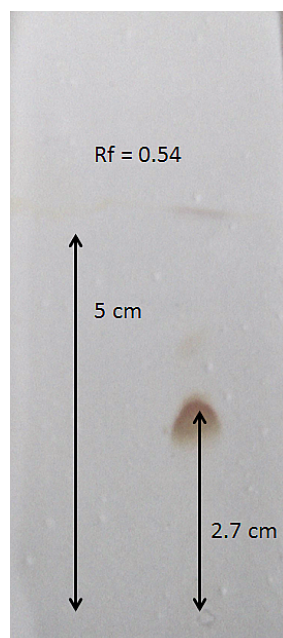


Figure S8. TLC for compound 1 (a)