

Figure S1 Purification of *AhDdl*. (A): The enzyme was purified using nickel ion affinity chromatography and analyzed by SDS-PAGE (12.5%). Lanes: M, molecular weight marker; 1, 36 kDa *AhDdl*. (B): Purification result of *AhDdl* through the Superdex 200 column. The maximum UV absorption value of the concentrated protein sample is 2100 mAU. The retention volume of the sample is 15.5 ml, and the left and right sides of the peak are symmetrical.

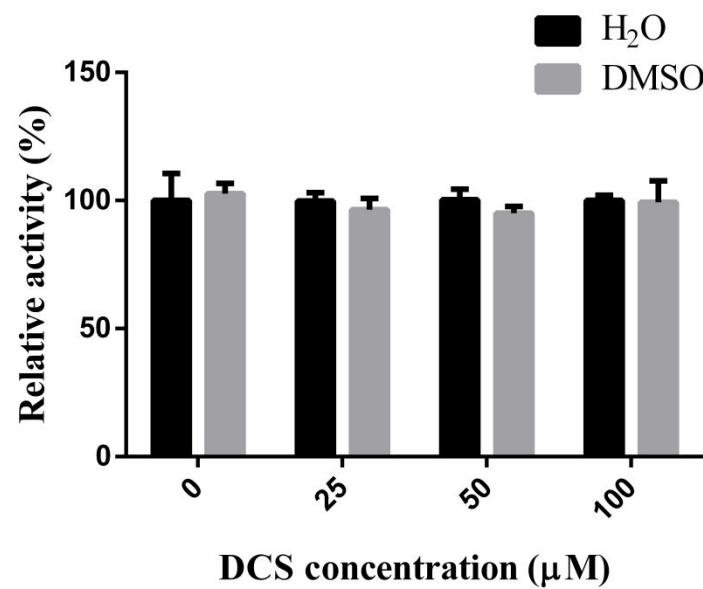


Figure S2 Results of DMSO tolerance