

Supporting Information

Table.S1 Details of reagent

Reagent	Information	Production
Sodium citrate dihydrate	$C_6H_5Na_3O_7 \cdot 2H_2O, \geq 99.0\%$	Aladdin Industrial Inc
Silver nitrate	$AgNO_3, \geq 99.0\%$	Aladdin Industrial Inc
Polyvinylpyrrolidone	PVP, MW:58000	Aladdin Industrial Inc
Caustic Soda	$H_2O_2,$	Chengdu Kelong Chemical co., Ltd
Sodium Borohydride	$NaBH_4, 98\%$	Adamas Reagent Co.,Ltd
Cadmium Chloride	$CdCl_2 \cdot 2H_2O, 99.9\%$	Taitan Science technology Co. Ltd
Aluminum chloride hexahydrate	$AlCl_3 \cdot 6H_2O, 99.99\%$	Adamas Reagent Co.,Ltd
Iron(II) Chlorid	$FeCl_2, 99.5\%$	Adamas Reagent Co.,Ltd
Iron chloride hexahydrate	$FeCl_3, AR$	Adamas Reagent Co.,Ltd
Chromium chloride hexahydrate	$CrCl_3, 98\%$	Adamas Reagent Co.,Ltd
Potassium Dichromate	$K_2Cr_2O_7, 99.5\%$	Taitan Science technology Co. Ltd
Manganese(II) Chloride Tetrahydrate	$MnCl_2, 99\%$	Taitan Science technology Co. Ltd
Potassium Permanganate	$KMnO_4, 99.5\%$	Taitan Science technology Co. Ltd
Alcohol	99.70%	Chongqing Chuandong Chemical Group Co., Ltd

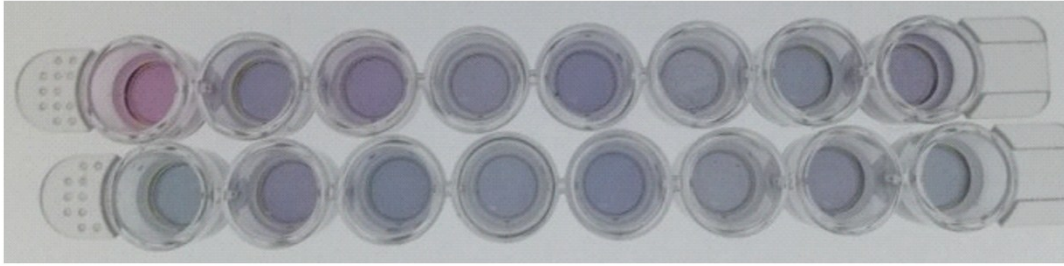


Fig.S1 The mixture of 16 Baijiu with Au NPs