

Table S1. The reagents used in the experiment.

Number	Reagent	CAS	Purity	Manufacturer	Address
1	2,4,6-Tri(2-pyridyl)-1,3,5-triazine	3682-35-7	≥98.5%	Beijing suolaibao technology Co., Ltd	Beijing, China
2	1, 1-diphenyl-2-trinitrophenylhydrazine (DPPH)	1898-66-4	96%	Shanghai Macklin Biochemical Co., Ltd	Shanghai, China
3	2,2'-hydrazine - di-3-ethylbenzothiazolin-6-sulfonic acid (ABTS)	30931-67-0	98	Shanghai Macklin Biochemical Co., Ltd	Shanghai, China
4	trichloroacetic acid	76-03-9	≥99%	Sinopharm Chemical Reagent Co., Ltd	Shanghai, China
5	bovine serum albumin	9048-46-8	/	Sinopharm Chemical Reagent Co., Ltd	Shanghai, China
6	L-(+) -sualose 2,3,4,5, 6-pentacyl-2-hexenoyl-4-lactone	50-81-7	≥99.7%	Sinopharm Chemical Reagent Co., Ltd	Shanghai, China
7	Fucose (Fuc)	2438-80-4	≥98%	Sigma-Aldrich Co.	St. Louis, USA
8	Rhamnose (Rha)	10030-85-0	≥98%	Sigma-Aldrich Co.	St. Louis, USA
9	D-Glucosamine hydrochloride (GlcN)	66-84-2	≥98%	Sigma-Aldrich Co.	St. Louis, USA
10	D-Galactoseamino HCl (GalN)	1772-03-8	≥98%	Sigma-Aldrich Co.	St. Louis, USA
11	Arabinose (Ara)	5328-37-0	≥99%	Sigma-Aldrich Co.	St. Louis, USA
12	Galactose (Gal)	26566-61-0	≥98%	Sigma-Aldrich Co.	St. Louis, USA
13	Glucose (Glc)	50-99-7	≥98%	Sigma-Aldrich Co.	St. Louis, USA
14	Xylose (Xyl)	58-86-6	≥98%	Sigma-Aldrich Co.	St. Louis, USA
15	Mannose (Man)	3458-28-4	≥99%	Sigma-Aldrich Co.	St. Louis, USA
16	Ribose (Rib)	50-69-1	≥98%	Sigma-Aldrich Co.	St. Louis, USA
17	Galacturonic acid (Gal-UA)	14982-50-4	≥98%	Sigma-Aldrich Co.	St. Louis, USA
18	Glucuronic acid (Glc-UA)	6556-12-3	≥99%	Sigma-Aldrich Co.	St. Louis, USA
19	5-Methyl-2-phenyl-1,2-dihydropyrazol-3-one (PMP)	19735-89-8	≥99%	Sigma-Aldrich Co.	St. Louis, USA
20	Trifluoroacetic acid (TFA)	76-05-1	≥99%	Sigma-Aldrich Co.	St. Louis, USA
21	Dextran	9004-54-0	for GPC, 1000, 5000, 12000,25000,50000,80000,150000,270000, 410000 and 670000	Sigma-Aldrich Co.	St. Louis, USA
22	Trolox	53188-07-1	≥98%	Beijing suolaibao technology Co., Ltd	Beijing, China