

Water content in ChCl-Xyl (1:1)	20%	40%	60%	80%	100%
Quercetin solubility (mg/g)	2.13	0.22	$3.25 \times 10^{-2}$	$1.19 \times 10^{-3}$	$1.12 \times 10^{-4}$

Figure S1. Solubility of quercetin in ChCl-Xyl with different water content at 25°C. The solubility of quercetin measured in weight fraction, Wq of quercetin.

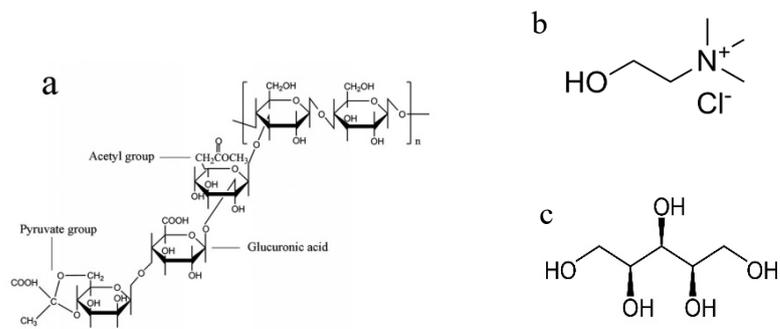


Figure.S2. Molecular structural formula of xanthan gum (a), choline chloride(b) and xylitol (c).