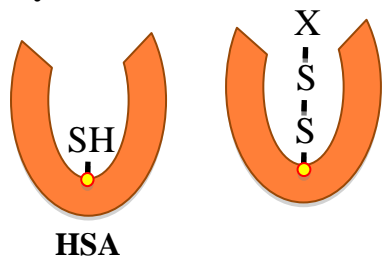


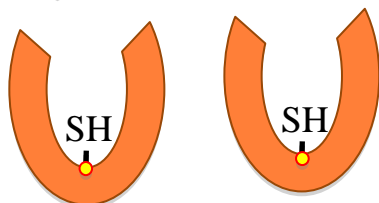
## A Conventional method (For >4-6 h)

S-Nitrosation of Cys-34 using  
SH reduction and NO addition steps

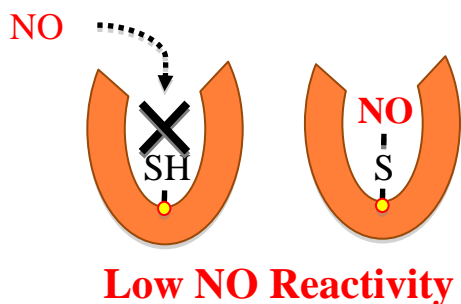
● Cys-34



**1-3 h** Reduction of Cys-34  
Gel filtration  
for DTT removal



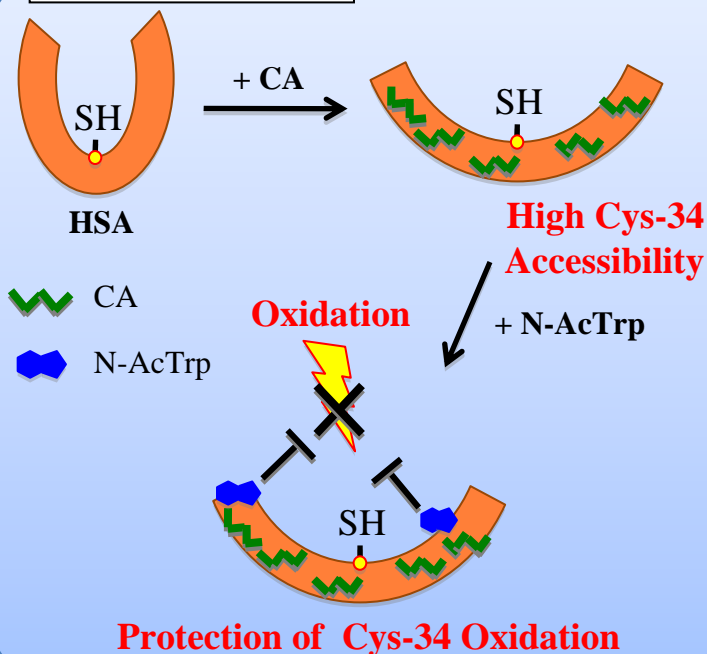
**>3 h** S-Nitrosation of Cys-34



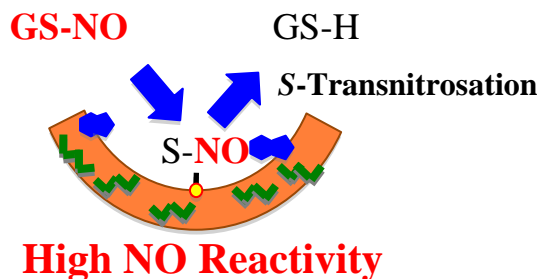
## B Our new method (For <1 min)

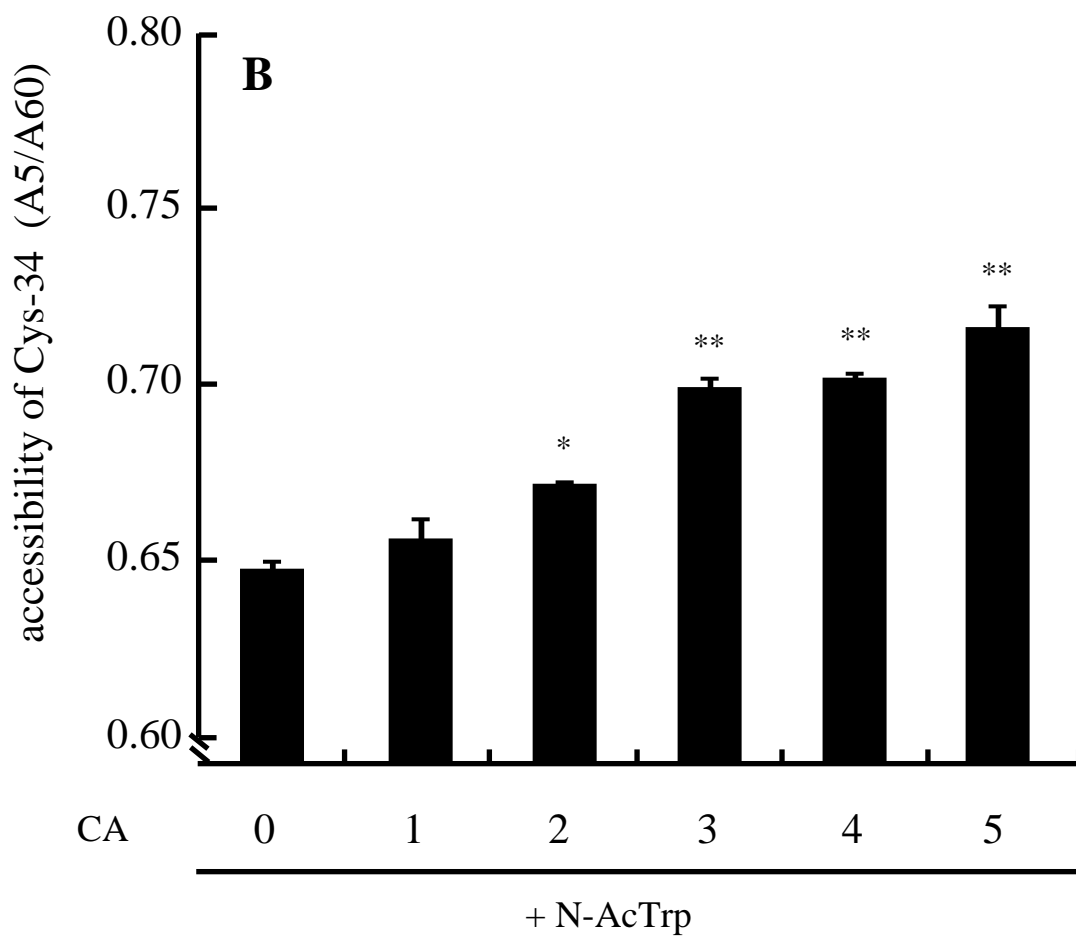
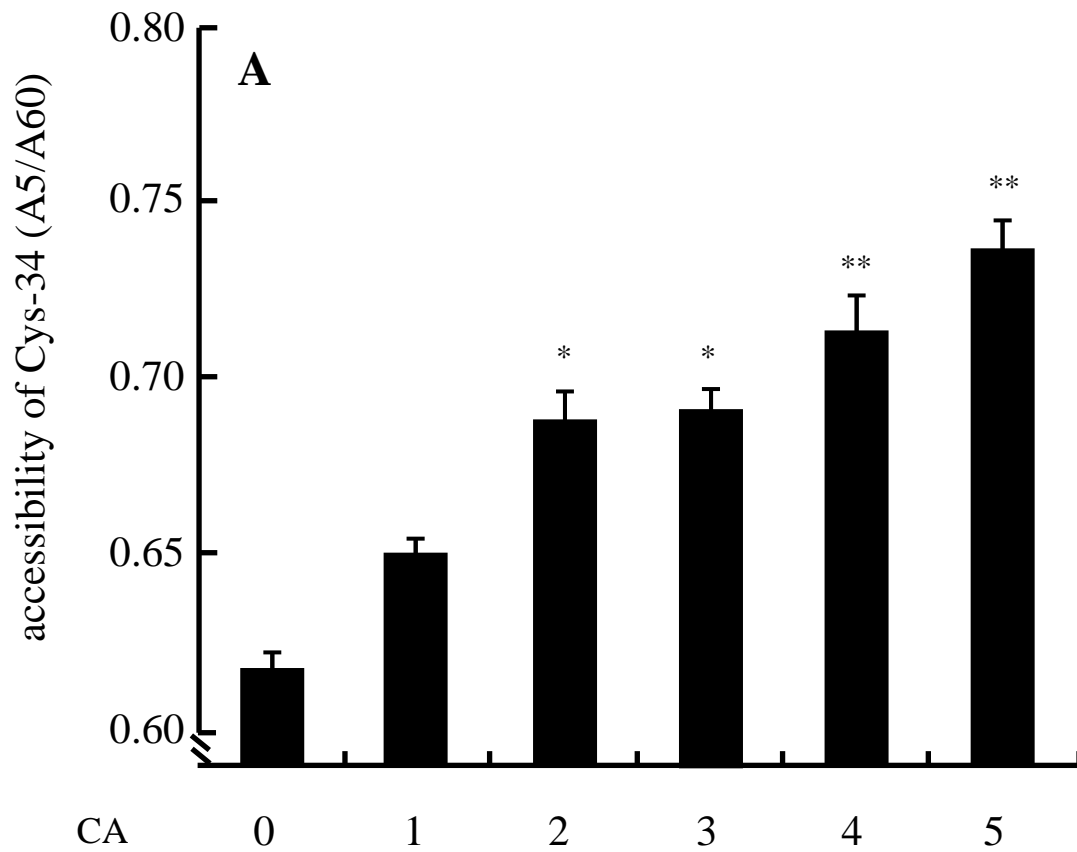
S-Nitrosation of Cys-34-SH in HSA formulation  
containing CA and N-AcTrp

In HSA formulation

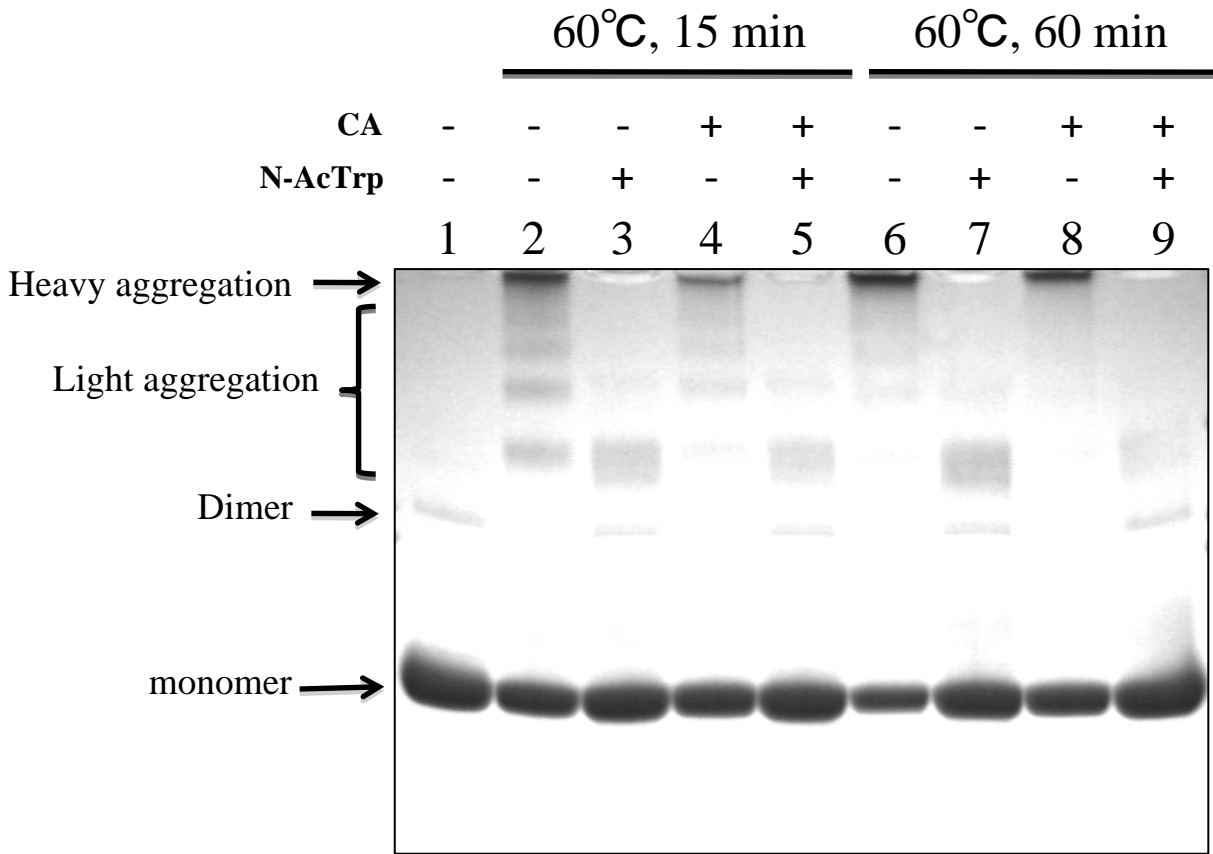


**<1 min** S-Nitrosation of Cys-34  
by GS-NO

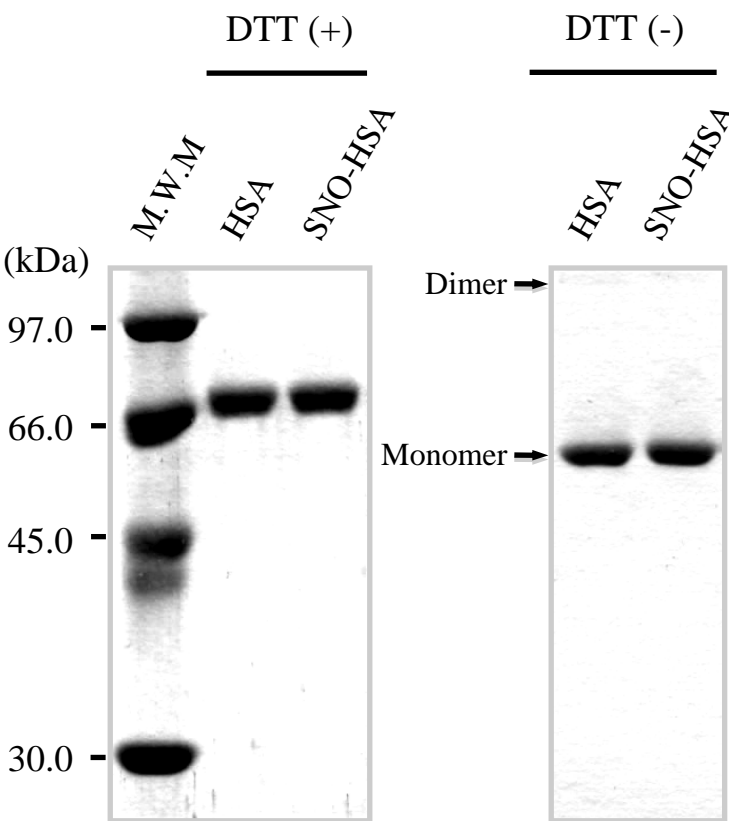




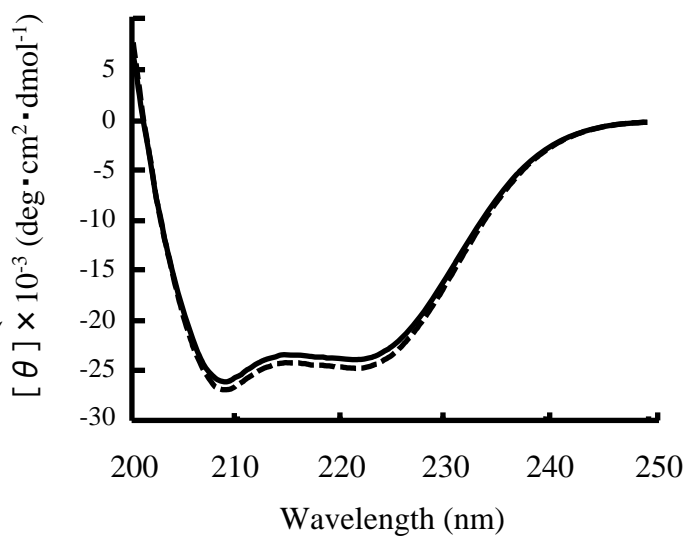
# Non-reduced SDS-PAGE



### A SDS-PAGE



### B Far-UV CD spectra



### C Near-UV CD spectra

