

Optimization of the recognition conditions

1. The influence of solvent on the degree of fluorescence quenching

solvent	DDW	methanol	ethanol	chloroform
K_{sv} ($L \cdot mol^{-1}$)	60500	45071	36513	18025

2. The influence of reaction time on the degree of fluorescence quenching

time (min)	0	5	10	15	20	30
K_{sv} ($L \cdot mol^{-1}$)	31006	45698	50152	59338	51352	43600

3. The influence of pH value on the degree of fluorescence quenching

pH	6.00	7.00	7.40	8.00	8.50
K_{sv} ($L \cdot mol^{-1}$)	25409	37090	40768	38099	32011