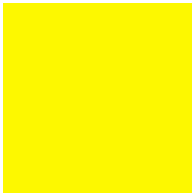

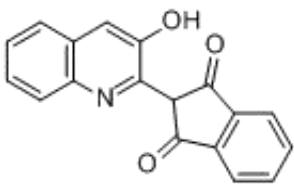


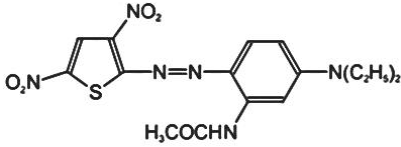

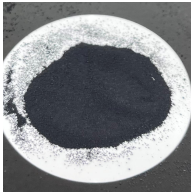
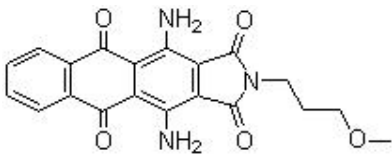

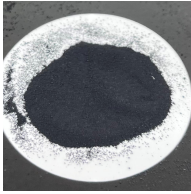
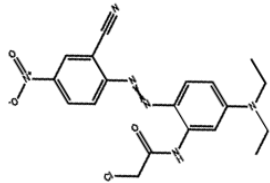


Supplementary Table S3 Basic information on disperse dyes of different colors

Dye	Color atla	Product photo	Chemical structure
C.I. Disperse Yellow 54			
Disperse Green 9			
C.I. Disperse Blue 60			
C.I. Disperse Violet 63			

Dye absorbance test method: first, solutions with gradient concentrations (5, 10, 15, 20, 30 and 50 mg/L) were configured for different dyes, and the absorption of these dye solutions in the ultraviolet band of 190–400 nm was determined, and the average absorbance of different color dyes of 190–400 nm was compared.