

## DATASHEET KU560-8

Spectral properties of KU560

<b>Dye Properties</b>		
$M_{\text{salt}}$	593.4	g/mol
$M_{\text{dye}^+}$	448.1	g/mol
Purity	>60	%
<b>Photophysical properties in methanol</b>		
$\lambda_{\text{abs}}$	560	nm
$\epsilon_{\text{max}}$	16,800	$\text{M}^{-1}\text{cm}^{-1}$
$\lambda_{\text{fl}}$	590	nm
$\phi_{\text{fl}}$	>50	%
$\tau_{\text{fl}}$	~20	ns
$\text{CF}_{260} = \epsilon_{260} / \epsilon_{\text{max}}$	2.98	
$\text{CF}_{280} = \epsilon_{280} / \epsilon_{\text{max}}$	1.41	

QA Approval - 10/04/2025

