

## DATASHEET KU470-6

Spectral properties of KU470

<b>Dye Properties</b>		
<b>Dye shipped as 1 mg in 100 <math>\mu</math>L DMSO</b>		
$M_{\text{salt}}$	728.2	g/mol
$M_{\text{dye}}$	583.6	g/mol
$M_{\text{conjugate}}$	469.5	m/z
Purity	>95%	%
<b>Photophysical properties in methanol</b>		
$\lambda_{\text{abs}}$	471	nm
$\epsilon_{\text{max}}$	132,000	$\text{M}^{-1}\text{cm}^{-1}$
$\lambda_{\text{fl}}$	505	nm
$\phi_{\text{fl}}$	>65	%
$\tau_{\text{fl}}$	$\sim 3.6$	ns
$\text{CF}_{260} = \epsilon_{260} / \epsilon_{\text{max}}$	0.24	
$\text{CF}_{280} = \epsilon_{280} / \epsilon_{\text{max}}$	0.06	

Approval - 21/04/2021

