Electronic Supplementary Information (ESI)

AIE-active smart cyanostyrene luminogens: polymorphism-dependent multicolor mechanochromism

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Figure S10 ¹³C NMR of NA-15C5 in CDCl₃.

-0.00







Figure S12 ¹³C NMR of NAIF in CDCl₃.







Figure S14 ¹³C NMR of NAPM in CDCl₃.









Figure S16¹³C NMR of NAIP in CDCl₃.

-1.59



Figure S17 ¹H NMR of NAPF in CDCl₃.



Figure S18 ¹³C NMR of NAPF in CDCl₃.







Figure S20 Mass spectrum of NAIF.



Figure S21 Mass spectrum of NAPM.



Figure S22 Mass spectrum of NAIP.



Figure S23 Mass spectrum of NAPF.

Compound ^a				Stokes shift
$arPsi_{\mathrm{F,P}}$ (%)	Medium	$\lambda_{abs}(nm)$	$\lambda_{em} \left(nm \right)$	(cm ⁻¹)
	THF	463	629	5700
	Diox	457	605	5353
NAIF	Acetone	457	633	6084
(7.23)	ACN	456	637	6231
	DMSO	471	640	5606
	THF	385	512	6443
	Diox	384	495	5840
NA-15C5	Acetone	370	535	8335
(63.92)	ACN	377	564	8795
	DMSO	393	576	8084
	THF	325	394	5389
	Diox	323	383	4850
NAPM	Acetone	340	409	4962
(38.74)	ACN	322	414	6901
	DMSO	321	568	13547
	THF	366	418	3399
	Diox	363	418	3625
NAIP	Acetone	353	419	4462
(4.66)	ACN	360	507	8054
	DMSO	368	525	8126
	THF	373	420	3000
	Diox	372	419	3015
NAPF	Acetone	363	420	3739
(6.62)	ACN	370	531	8195
	DMSO	376	543	8180

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^{*a*} Abbreviation: λ_{abs} = maximum absorption wavelength, λ_{em} = maximum emission wavelength, $\Phi_{F,P}$ = absolute quantum

yield of the pristine solid sample.