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Conformational transition-induced simultaneous fluorescence enhancement of oxytetracycline and rhodamine B under a single excitation wavelength

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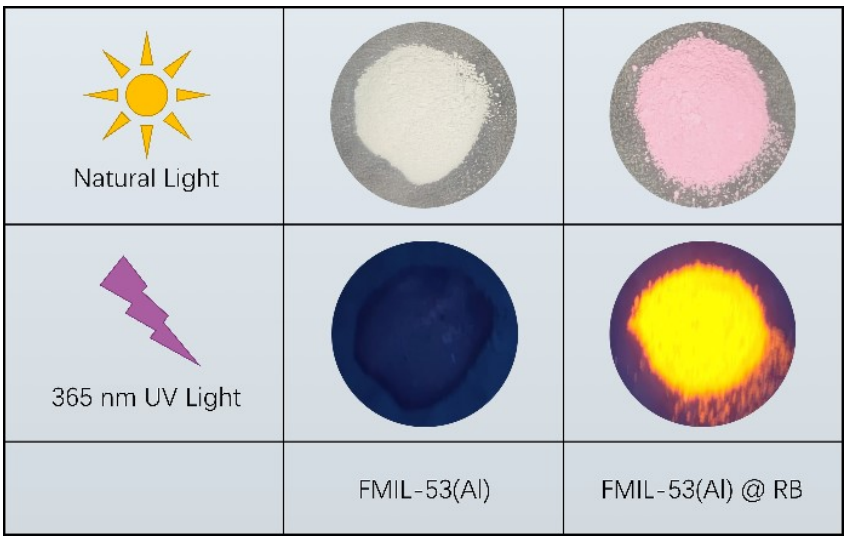

Figure S1. Visual comparison of FMIL-53(Al) and FMIL-53(Al)@RB in natural light and 365 nm UV lamp.

Table S1. Comparison of the sensing mode and sensitivity of FMIL-53(Al)@RB for OTC detection with other reported sensors.

Material Type	Complex	Sensing mode	Detection Limit	Reference
MOFs	FMIL-53(Al)	Turn-on	0.94 nM (4.35 nM)	1 (This Work)
	FMIL-53(Al)@RB	Dual-emissive turn-on	3.59 nM and 2.79 nM	This Work
	AuCuNCs@ZIF-8	Ratiometric	4.8 nM	2
	Al-MOF@Mo/Zn-MOF	Turn-off	0.58 nM	3
	RhB@ZIF-8	Turn-on	0.14 μM	4
	FSS@ZIF-8	Turn-on	0.16 μM	4
	ZIF-8/NH_2-MIL-53(Al)	Turn-off	1.2 μg L^{-1} (2.6 nM)	5
	NH_2-MIL-53(Al)	Turn-off	62.05 nM	6
	[Tb(HL)L(H_2O)]nc	Turn-off	1.95 nM	7
	FHBA@ZIF-8	Turn-on	30 nM	8
Carbon Dots	CDs	Ratiometric	0.41 μM	9
	C-CDs	Turn-off	0.05 μM	10
	S, N-CDs	Ratiometric	0.26 μM	11
	ON-CQDs	Turn-off	0.973 μM	12
	WN-CQDs	Turn-off	0.077 μM	12
	CDs-H_2O_2-Fe_3O_4 MNPs System	Turn-off	9.5 nM	13
	CDs [Phthalic acid + Ethylenediamine]	Turn-off	36 nM	14
	CDs [tobacco]	Turn-off	6.06 nM	15
	CD@AMP/Eu NCPs	Ratiometric	25 nM	16
	SiCDs@mMIPs-cit-Eu	Ratiometric	16 nM	17
	SiNPs	Ratiometric	0.18 μM	18
Metal Nanoclusters	PEI-Pd NCs	Turn-off	22 nM	19
	SiO_2/Ag@FMIPs	Turn-off	5.38 nM	20
	LTN@AuNCs	Turn-on	0.3 μM	21
	AC@Au-Cit-Eu	Turn-on	11.2 nM	22
	Eu(III)-CTACl-EDTA micelles system	Turn-on	3-7 ng/g	23
	Eu(III)-cetyltrimethylammonium chloride-EDTA micelles	Turn-on	8 ng/g	24

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