## **Supporting Information**

## Simple and Stable Dual-Emission Fluorescent System Based on

## **R6G/Eu-MOF** for the Rapid and Sensitive Determination of Orientin

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Fig.S1 Comparison of zeta potential.



Fig.S2 LUMO and HOMO energy le vels of orientin and 2-amino terephthalic acid.



**Fig. S3** (a) Fluorescence spectra of Eu-MOF at different OT concentrations. (b) Linear relationship between  $F_{430}$  and OT concentration. (c) Fluorescence spectra of R6G at different OT concentrations. (d) Linear relationship between  $F_{555}$  and OT concentrations.



Fig. S4 Concentration standard curve of standard control orientin by HPLC analysis.

Added		Found (µM)	RAD	
	<b>(</b> µM)	(mean±SD, n=3)	(%, n=3)	
Intra- day	55.8	59.3±1.4	2.4	
	83.6	92.5±2.0	2.1	
	111.5	113.7±1.5	1.3	
	167.2	170.2±1.4	0.8	
Inter-	55.8	61.2±3.2	5.3	
	83.6	92.0±1.9	2.1	
day	111.5	117.1±3.8	3.2	
	167.2	170.9±9.2	0.5	

**Table S1** Stability and reproducibility test results of orientin detected by R6G/Eu-MOF.

**Table S2** HPLC analysis of peak areas corresponding to different concentrations of OT

in	actual	comp	AC	$\mathbf{a}\mathbf{f}$	coriim
ш	actual	samp	105	01	scrum

Concentration of	Peak Area (mAu·s)					
added $(\mu M)$	1	2	3	4	5	6
0.279	161.313	149.439	159.636	155.366	151.460	158.048
0.558	278.471	309.792	283.200	317.719	316.024	306.592
1.115	611.102	550.376	612.890	648.279	641.571	630.260