

Supplementary Information

A high-performance fluorescent and ratio-metric colorimetric detection of Cu²⁺ in practice

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Table S1. Comparing the fluorescence quantum yield and Stokes shift of HNIT with the ones of other organic dyes reported previously

Compounds	FL quantum yield (%)	Stokes shift (nm)	Reference
BODIPY derivative	51.0	38	1
Pyrazolyl-sulfonamide derivatives	7.7~25.7	260-280	2
Limonene-derived SOA	0.5	95	3
Hemicyanine-based probe	21	105	4
2,4-dihydroxybenzoyl hydrazine derivatives	0.6-4.4	155	5
Aza-substituted squaraines	No more than 18	4-12	6
Quinoline-based derivatives	3-6	55-100	7
HNIT	38.2	110	This work

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