

Chemistry

Metallogel interface boosts the sensing activity as it opens more opportunity to develop chemosensors through metal ligand interactions. A cobalt metallogel composed by a carboxamide-nitrile based gelator molecules has been found to be very effective in sensing L-tryptophan among other essential amino acids through quenching of aggregate induced enhanced emission (AIEE) property. Also, the gel has been found to be effective in sensing Bovine Serum Albumin (BSA) protein in nano-molar level which contains L-tryptophan residue.

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