**Table 2:** Capturing agents that have been used to capture mercury (II) ions.

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| --- | --- | --- |
| **Name** | **Structures** | **References** |
| Terphenyl-based reversible receptor with Rhodamine |  | [[83]](https://www.ncbi.nlm.nih.gov/pubmed/17061899)  |
| Rhodamine-based molecular probe |  | [[84]](https://www.ncbi.nlm.nih.gov/pubmed/17061899)  |
| Rhodamine-based using the spirolactam ring opening |  | [[85]](https://www.ncbi.nlm.nih.gov/pubmed/18648672)  |
| Rhodamine B with ferrocene substituent |  | [[86]](%5B86%5D) |
| Calix[4]arene-based receptor |  | [[87]](https://www.ncbi.nlm.nih.gov/pubmed/17824650) |
| Thioether + aniline-derived ligand framework linked to a fluorescein platform |  | [[88]](https://www.ncbi.nlm.nih.gov/pubmed/14624563) |
| Mercuryfluor-1 (flourescent probe) |  | [[89]](https://www.ncbi.nlm.nih.gov/pubmed/16287282) |
| N,N’-dibenzyl-1,4,10,13-tetraraoxa-7,16-diazacyclo-octadecane |  | [[90]](http://nopr.niscair.res.in/handle/123456789/18196) |
| Terphenyl-based reversible receptor with pyrene and quinoline as the fluorophores |  | [[91]](https://www.ncbi.nlm.nih.gov/pubmed/19877709) |