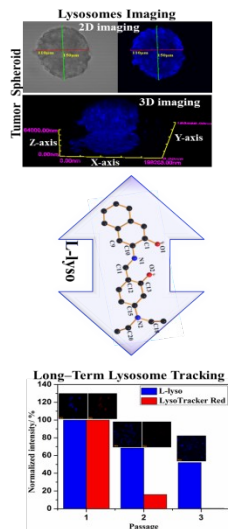


Water soluble two-photon fluorescent organic probes for long-term imaging of lysosomes in live cells and tumor spheroids†

Pratibha Kumari, Sanjay K. Verma and Shaikh M. Mobin



The morphological alteration of lysosome is a powerful indicator of various pathological disorders. In this regards, we have designed and synthesized a new water soluble fluorescent Schiff-base ligand (L-lyso) containing two hydroxyl groups. L-lyso exhibits excellent two-photon properties with tracking of lysosomes in live cells as well as 3D tumor spheroids. Further, it can label lysosomes for more than 3 days. Thus, L-lyso has an edge over commercially available expensive LysoTracker probes and also over other reported probes in terms of its long-term imaging, water solubility and facile synthesis. For complete Article [Click here](http://www.iiti.ac.in/people/~xray/C7CC07812A.pdf) <http://www.iiti.ac.in/people/~xray/C7CC07812A.pdf>

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