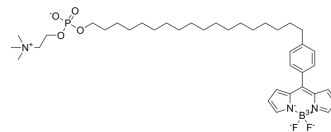


## CLR1501

|                           |   |
|---------------------------|---|
| <b>Cat. No.:</b>          | HY-110393   |
| <b>CAS No.:</b>           | 1250963-36-0  |
| <b>Molecular Formula:</b> | C <sub>38</sub> H <sub>59</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>4</sub> P           |
| <b>Molecular Weight:</b>  | 701.67  |
| <b>Target:</b>            | Fluorescent Dye   |
| <b>Pathway:</b>           | Others  |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                    |   |
|--------------------|---|
| <b>Description</b> | CLR1501, a fluorescently labeled CLR1404 analog, is a cancer cell-selective fluorescence compound <sup>[1][2]</sup> .   |
| <b>In Vitro</b>    | CLR1501 exhibits five- to ninefold preferential uptake in these cancer cell lines in vitro compared to normal fibroblasts <sup>[1]</sup> . Excitation/emission peaks are 500/517 nm for CLR1501. CLR1501 exhibits tumor selectivity in vitro and in vivo for human glioblastoma stem-like (GSC) cell lines and xenografts <sup>[2]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

- [1]. Weichert JP, et al. Alkylphosphocholine analogs for broad-spectrum cancer imaging and therapy. *Sci Transl Med*. 2014 Jun 11;6(240):240ra75.
- [2]. Swanson KI, et al. Fluorescent cancer-selective alkylphosphocholine analogs for intraoperative glioma detection. *Neurosurgery*. 2015 Feb;76(2):115-23; discussion 123-4.
- [3]. Deming DA, Maher ME, Leystra AA, et al. Phospholipid ether analogs for the detection of colorectal tumors. *PLoS One*. 2014;9(10):e109668.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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