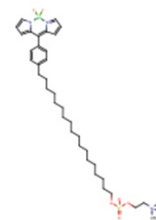


CLR1501

Chemical Properties

CAS No.: 1250963-36-0
Formula: C₃₈H₅₉BF₂N₃O₄P
Molecular Weight: 701.67
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	CLR1501 is a fluorescently labeled CLR1404 analog and a cancer cell-selective fluorescence compound[1][2].
Targets(IC ₅₀)	Others: None
In vitro	CLR1501 exhibits five- to ninefold preferential uptake in these cancer cell lines in vitro compared to normal fibroblasts[1]. It exhibits tumor selectivity in vitro and in vivo for human glioblastoma stem-like (GSC) cell lines and xenografts[2] and the Excitation/emission peaks for CLR1501 are 500/517 nm.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.425 mL	7.126 mL	14.252 mL
5 mM	0.285 mL	1.425 mL	2.85 mL
10 mM	0.143 mL	0.713 mL	1.425 mL
50 mM	0.029 mL	0.143 mL	0.285 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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