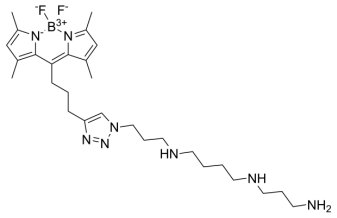
Fluorescent polyamine probe-1

Cat. No.:	HY-D1478
CAS No.:	2678634-03-0
Molecular Formula:	$C_{28}H_{45}BF_2N_8$
Molecular Weight:	542.52
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Fluorescent polyamine probe-1 (compound 15) is a linear polyamine probe with high uptake efficiency. Fluorescent polyamine probe-1 can be used for the research of transport system into cancer cells[1].
In Vitro	Fluorescent polyamine probe-1 is accumulated rapidly in cancer cells (MCF-7), but not in non-tumorigenic cells (MCF-10A)[1]. Fluorescent polyamine probe-1 (4 h) shows ten-fold higher uptake efficiency compared with branched probes in MCF-7 cells and the intracellular accumulation can be observed as early as 1 h after probe addition[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vanhoutte R, et al. Clickable Polyamine Derivatives as Chemical Probes for the Polyamine Transport System. Chembiochem. 2018 May 4;19(9):907-911.

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