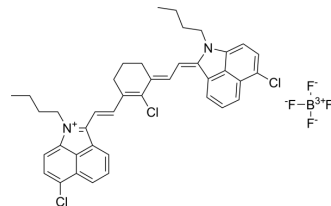


## IR-1048

<b>Cat. No.:</b>	HY-D1450
<b>CAS No.:</b>	155613-98-2
<b>Molecular Formula:</b>	C <sub>40</sub> H <sub>38</sub> BCl <sub>3</sub> F <sub>4</sub> N <sub>2</sub>
<b>Molecular Weight:</b>	739.91
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## BIOLOGICAL ACTIVITY

### Description

IR-1048 (S01448) is a dye and also is a photothermal agent. IR-1048 can be used for the research of tumor diagnosis<sup>[1][1]</sup>.

## REFERENCES

- [1]. Xiaoqing Meng, et al. Hypoxia-triggered single molecule probe for high-contrast NIR II/PA tumor imaging and robust photothermal therapy. *Theranostics*. 2018 Nov 15;8(21):6025-6034.
- [2]. Xiaoxu Kang, et al. Dual-Cascade Responsive Nanoparticles Enhance Pancreatic Cancer Therapy by Eliminating Tumor-Resident Intracellular Bacteria. *Adv Mater*. 2022 Dec;34(49):e2206765.

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

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