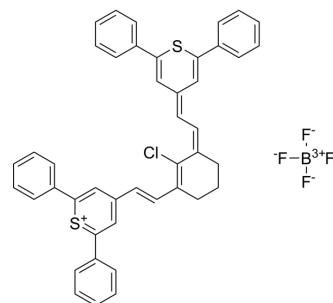


IR-1061

| | |
|--------------------|--|
| Cat. No.: | HY-D1449 |
| CAS No.: | 155614-01-0 |
| Molecular Formula: | C ₄₄ H ₃₄ BClF ₄ S ₂ |
| Molecular Weight: | 749.13 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | -20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (6.67 mM; ultrasonic and warming and heat to 60°C)

| | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|--------------------------|------|-----------|-----------|------------|
| | | | | | |
| Preparing Stock Solutions | 1 mM | | 1.3349 mL | 6.6744 mL | 13.3488 mL |
| | 5 mM | | 0.2670 mL | 1.3349 mL | 2.6698 mL |
| | 10 mM | | --- | --- | --- |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

IR-1061 is a near infrared fluorescent organic dye for in vivo OTN-NIR imaging^[1].

REFERENCES

[1]. Thi Kim Dung Doan, et al. The influence of Gd-DOTA conjugating ratios to PLGA-PEG micelles encapsulated IR-1061 on bimodal over-1000 nm near-infrared fluorescence and magnetic resonance imaging. Biomater Sci. 2022 Mar 2;10(5):1217-1230.

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

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