Product Datasheet

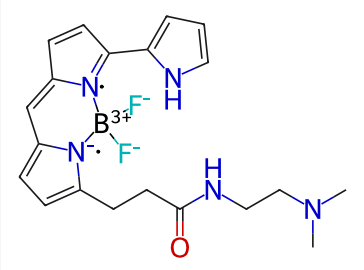
LysoTracker Red

Catalog No. **BP-08813** · CAS **231946-72-8** · Form **free base** · Physical state **solid** · Color **Brown to dark brown** · Version **1.0** · Revision **2026-11-13**

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Molecular formula	—
Molecular weight	—

STRUCTURE



DESCRIPTION

LysoTracker Red is a Red fluorescently labeled lysosomal probe with a maximum excitation/emission wavelength of 577/590 nm. The structure is composed of a fluorescein group and linked weak bases, which can freely cross the cell membrane and gather on spherical organelles. It is suitable for observing the internal biosynthesis and related pathogenesis of lysosomes .

BIOLOGICAL ACTIVITY

Guide (The following is our recommended protocol. This protocol is only a guide and should be modified according to your specific needs).
Preparation of LysoTracker Red working solution

SOLUBILITY

Soluble in DMSO : 5 mg/mL

In vitro	DMSO : 5 mg/mL

REFERENCES

[1]. Price OT, et al. Quantitative fluorescence of 5-FU-treated fetal rat limbs using confocal laser scanning microscopy and Lysotracker Red. Cytometry A. 2003;53(1):9-21. (https://pubmed.ncbi.nlm.nih.gov/12701128/)

[2]. Pereira LC, et al. An autophagic process is activated in HepG2 cells to mediate BDE-100-induced toxicity. Toxicology. 2017;376:59-65.

[3]. Nagahama M, et al. Cellular vacuolation induced by Clostridium perfringens epsilon-toxin. FEBS J. 2011;278(18):3395-3407.