

Product Data Sheet

Product Name: LPd peroxida probe-2

Cat. No.: GC79873

Chemical Properties

Cas. No. 3092823-52-1

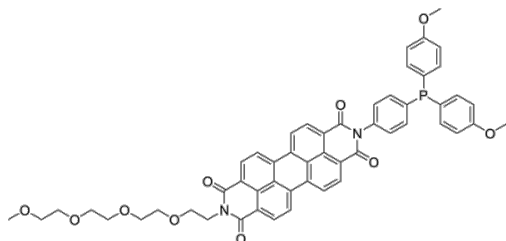
Formula $C_{53}H_{45}N_2O_{10}P$ M.Wt 900.91

Solubility DMSO: 2 mg/mL (2.22 mM); ultrasonic and warming and heat to 60°C) Storage Store at -20°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

LPd peroxida probe-2 (Compound I-1) is a lipid peroxidation fluorescent indicator (Ex = 488 nm, Em = 535 nm). LPd peroxida probe-2 undergoes fluorescence spectral changes in response to lipid hydroperoxides and can be used for Ferroptosis detection and cell imaging.

References:

[1]. Wang, et al. A lipid peroxidation detection probe based on perylene imide-triphenylphosphine

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

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structure and its preparation method and application. CN119912495A. China. 2024-12-24.

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