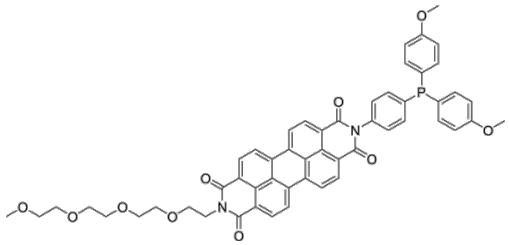
Product Data Sheet

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

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