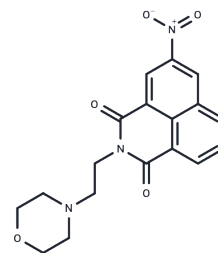


LysoFP-NO2

Chemical Properties

CAS No. :	69408-75-9
Formula:	C ₁₈ H ₁₇ N ₃ O ₅
Molecular Weight:	355.34
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	LysoFP-NO2 is a fluorescent probe that specifically targets lysosomes for carbon monoxide (CO) detection. In the presence of CO within lysosomes, LysoFP-NO2 is converted into lysoFP-NH2, which exhibits strong fluorescence. The probe shows high selectivity for CO over various reactive nitrogen, oxygen, and sulfur species. Its excitation/emission maxima are at 440/528 nm, and at a concentration of 30 μM, it remains non-cytotoxic to HepG2 cells for up to 5 hours.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8142 mL	14.071 mL	28.1421 mL
5 mM	0.5628 mL	2.8142 mL	5.6284 mL
10 mM	0.2814 mL	1.4071 mL	2.8142 mL
50 mM	0.0563 mL	0.2814 mL	0.5628 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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