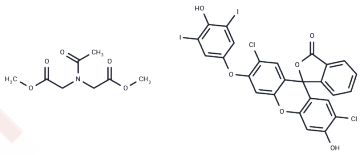
Data Sheet (Cat.No.T39600)

TargetMol

HKOH-1r

Chemical Properties



CAS No. : 2138472-08-7

Formula: C34H25Cl2I2NO11

Molecular Weight: 948.28

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	HKOH-1r is a highly sensitive and selective fluorescent probe used for detecting endogenous hydroxyl radicals in living cells [1].
Targets(IC50)	Others,Reactive Oxygen Species
In vitro	HKOH-1r (0.1-50 μM; 24 h) shows negligible or no cytotoxicity in both RAW264.7 cells and Hela cells[1]. HKOH-1r (5 μM; 30 min) detects endogenous ? OH in the flow cytometry platform in RAW264.7 cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0545 mL	5.2727 mL	10.5454 mL
5 mM	0.2109 mL	1.0545 mL	2.1091 mL
10 mM	0.1055 mL	0.5273 mL	1.0545 mL
50 mM	0.0211 mL	0.1055 mL	0.2109 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.

Reference

Bai X, et, al. HKOH-1: A Highly Sensitive and Selective Fluorescent Probe for Detecting Endogenous Hydroxyl Radicals in Living Cells. Angew Chem Int Ed Engl. 2017 Oct 9;56(42):12873-12877.

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