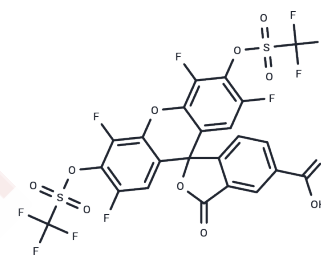


## HKSOX-1

## Chemical Properties

CAS No. :	1786411-17-3
Formula:	C <sub>23</sub> H <sub>6</sub> F <sub>10</sub> O <sub>11</sub> S <sub>2</sub>
Molecular Weight:	712.40
Storage:	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	HKSOX-1 is a fluorescent probe which is used for imaging and detection of endogenous superoxide in live cells and in vivo. HKSOX-1 exhibits excellent selectivity and sensitivity towards superoxide anion radical.
Targets(IC50)	Others
In vitro	HKSOX-1 (10 μM) reacts with O <sub>2</sub> <sup>-</sup> in potassium phosphate buffer at 25 °C to produce a dramatic time-dependent fluorescence increase, which is completed within 10 min, and the fluorescence intensity remains unchanged within 60 min[1]. HKSOX-1 (10 μM) exhibits excellent stability toward pH changes in the range of 2.2-8.8[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4037 mL	7.0185 mL	14.0371 mL
5 mM	0.2807 mL	1.4037 mL	2.8074 mL
10 mM	0.1404 mL	0.7019 mL	1.4037 mL
50 mM	0.0281 mL	0.1404 mL	0.2807 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

Hu JJ, et, al. Fluorescent Probe HKSOX-1 for Imaging and Detection of Endogenous Superoxide in Live Cells and In Vivo. J Am Chem Soc. 2015 Jun 3;137(21):6837-43.

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