

HKSOX-1m (5/6-mixture)

Chemical Properties

CAS No. : 1786411-19-5

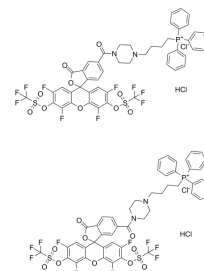
Formula:

Molecular Weight:

Keep away from direct sunlight

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-1m (5/6-mixture) is a mitochondria-targeting O ₂ fluorescent probe with excitation/emission wavelengths of 509/534 nm (green), offering exceptional selectivity and sensitivity for O ₂ across a wide pH range and in the presence of strong oxidants and prevalent reductants within cells.
Targets(IC50)	Others, Reactive Oxygen Species
In vitro	HKSOX-1m (5/6-mixture) (10 μM) sensitively detects basal and Antimycin A (1 μM)-stimulated mitochondrial O ₂ in differentiated human THP-1 cells at very low laser power (1% intensity at Ex 514 nm on Zeiss LSM 510 Meta)[1].

Reference

Jun Jacob Hu, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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