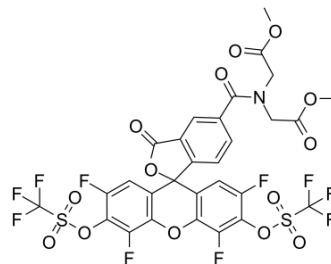


## HKSOX-1r

<b>Cat. No.:</b>	HY-130017
<b>CAS No.:</b>	1786411-18-4
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>15</sub> F <sub>10</sub> NO <sub>14</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	855.54
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	HKSOX-1r is a fluorescent probe which is used for imaging and detection of endogenous superoxide in live cells and in vivo. HKSOX-1r exhibits excellent selectivity and sensitivity towards superoxide anion radical <sup>[1]</sup> .
<b>In Vitro</b>	HKSOX-1r (2 μM; 30 min) detects mitochondrial respiratory inhibitor-induced O <sub>2</sub> <sup>•-</sup> formation in a highly sensitive and rapid manner in HCT116, BV-2 and RAW264.7 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	HKSOX-1r (10 μM; 20 min) detects distinct fluorescence distribution in zebrafish embryos are subjected to challenge of PMA or Antimycin A <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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