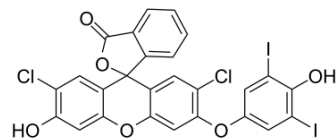


## HKOH-1

Cat. No.:	HY-D1151
CAS No.:	2031170-96-2
Molecular Formula:	C <sub>26</sub> H <sub>12</sub> Cl <sub>2</sub> I <sub>2</sub> O <sub>6</sub>
Molecular Weight:	745.08
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	HKOH-1 is a highly sensitive and selective fluorescent probe for detecting endogenous hydroxyl radicals <sup>[1]</sup> .
<b>In Vitro</b>	<p>HKOH-1 shows absorption peaks at 500 nm. In absence of <sup>•</sup>OH, HKOH-1 is non-fluorescent<sup>[1]</sup>.</p> <p>HKOH-1r (0.1-50 μM; 24 h) shows negligible or no cytotoxicity in both RAW264.7 cells and Hela cells<sup>[1]</sup>.</p> <p>HKOH-1r (5 μM; 30 min) detects endogenous <sup>•</sup>OH in the flow cytometry platform in RAW264.7 cells<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Xiaoyu Bai, 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA