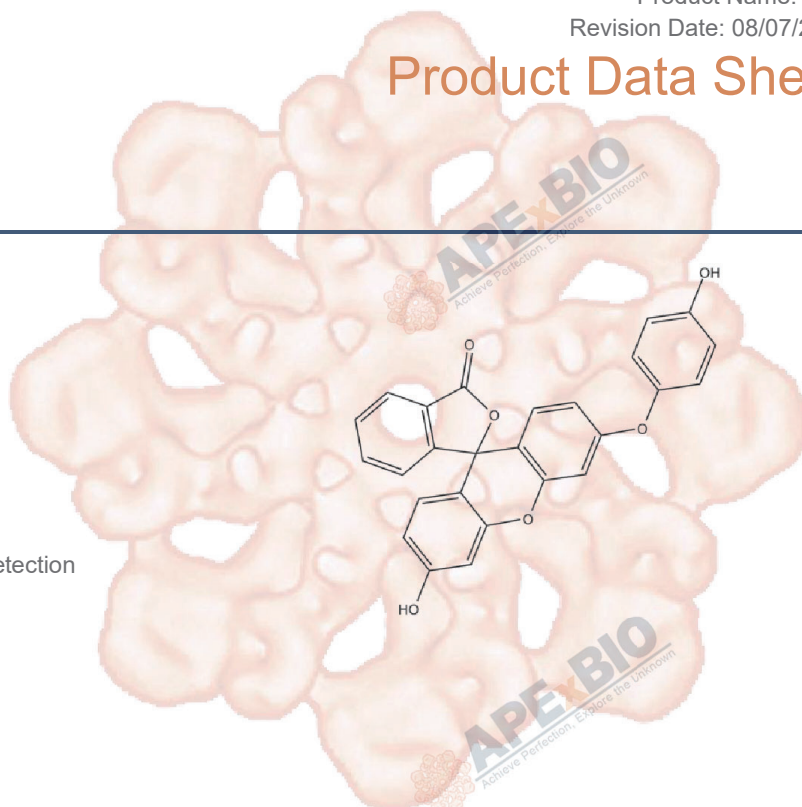


# Product Data Sheet

## HPF

<b>Cat. No.:</b>	C3384
<b>CAS No.:</b>	359010-69-8
<b>Formula:</b>	C26H16O6
<b>M.Wt:</b>	424.4
<b>Synonyms:</b>	
<b>Target:</b>	Probes & Dyes
<b>Pathway:</b>	Reactive Oxygen Species Detection
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

≤20mg/ml in ethanol;20mg/ml in DMSO;20mg/ml in dimethyl formamide

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		<b>1 mM</b>	2.3563 mL	11.7813 mL	23.5627 mL
		<b>5 mM</b>	0.4713 mL	2.3563 mL	4.7125 mL
		<b>10 mM</b>	0.2356 mL	1.1781 mL	2.3563 mL

Please refer to the solubility information to select the appropriate solvent

## Biological Activity

Shortsummary	Cell permeable fluorescent dye to detect hROS (highly reactive oxygen species)
IC <sub>50</sub> & Target	
In Vitro	<b>Cell Viability Assay</b>
	Preparation method:
In Vivo	<b>Animal experiment</b>
	Applications:

## Product Citations

1. CHEN Chao, WANG Yi, et al. "Bifunctional nanozyme activities of layered double hydroxide derived Co-Al-Ce mixed metal oxides for antibacterial application." Journal of Oceanology and Limnology. Mar. 21, 2020.
2. Wang J, Wang Y, et al. "Exploring the bactericidal performance and application of novel mimic enzyme Co<sub>4</sub>S<sub>3</sub>." J Colloid Interface Sci. 2020;561:327–337. PMID:31771873
3. YiWangacd, ChaoChenabcd, et al. "Bifunctionalized novel Co-V MMO nanowires: Intrinsic oxidase and peroxidase like catalytic activities for antibacterial application." Applied Catalysis B: Environmental Available online 5 October 2019, 118256. PMID:31666990

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX<sub>x</sub>BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX<sub>x</sub>BIO Technology**

[www.apexbt.com](http://www.apexbt.com)

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

