

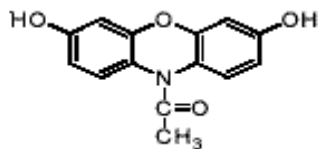
**PRODUCT:****OxiRed™ Probe**

(10-acetyl-3,7-dihydroxyphenoxazine)

<b>CATALOG #:</b>	1572-5
<b>AMOUNT:</b>	5 mg
<b>LOT #:</b>	_____
<b>MOLECULAR FORMULA:</b>	C <sub>14</sub> H <sub>11</sub> NO <sub>4</sub>
<b>MOLECULAR WEIGHT:</b>	257.25
<b>CAS NUMBER:</b>	119171-73-2
<b>PURITY:</b>	≥99%
<b>APPEARANCE:</b>	White to pink solid
<b>SOLUBILITY:</b>	Soluble in DMSO or DMF
<b>STORAGE CONDITIONS:</b>	-20°C in the dark. Do not expose to sunlight or fluorescent lights for extended periods.

**BACKGROUND:**

OxiRed, which has been marketed under the name Amplex Red™ reagent, is a highly sensitive and stable probe for H<sub>2</sub>O<sub>2</sub>, is a fluorogenic (EX/EM = 535/587 nm) and Colorimetric (λ = 570 nm) substrate for peroxidase. In the presence of horseradish peroxidase (HRP), the OxiRed probe reacts in a 1:1 stoichiometry with H<sub>2</sub>O<sub>2</sub> to produce highly fluorescent resorufin. Because H<sub>2</sub>O<sub>2</sub> is produced in many different enzymatic reactions, the OxiRed probe allows researchers to detect the activity of many different enzymes either colorimetrically or fluorometrically.

**CHEMICAL STRUCTURE:**

**CAUTION:** Do not ingest, swallow, or inhale. Do not get in eyes or on skin. Care should be taken to prevent contact through all routes of exposure.

**USAGE:** For Research Use Only! Not to be used in humans.

**FEATURED PRODUCTS:**

## Apoptosis Detection Kits &amp; Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers & Inhibitors
- Apoptosis siRNA Vectors

## Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

## Cell Proliferation &amp; Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

## Cell Damage &amp; Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

## Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

## Adipocyte &amp; Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Cholesterol Quantification Kit

## Molecular Biology &amp; Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

## Growth Factors and Cytokines (many)

## Polyclonal and Monoclonal Antibodies