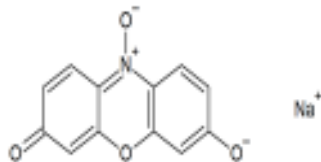


Resazurin sodium

ALTERNATE NAME: 7-hydroxy-3H-phenoxazin-3-one-10-oxide, monosodium salt

CATALOG #: B3296-1G 1 g
B3296-5G 5 g

STRUCTURE:



MOLECULAR FORMULA: C₁₂H₆NO₄ • Na

MOLECULAR WEIGHT: 251.17

CAS NUMBER: 62758-13-8

APPEARANCE: Dark green to black powder

PURITY: ~85% by HPLC

SOLUBILITY: ~0.5 mg/ml DMSO
~0.5 mg/ml Ethanol

DESCRIPTION: Resazurin is a blue fluorogenic dye used as a redox indicator in cell viability and proliferation assays for bacteria, yeast or mammalian cells. The blue form of the dye is irreversibly reduced by enzymes in viable cells to generate a highly red-fluorescent product, resorufin, which displays absorption/emission maxima ~575/585 nm and can be detected by flow cytometry, fluorescence microscopy, and high-throughput screening methods. Resazurin is minimally toxic to living cells, making it suitable for use in long-term cell culture.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

VisionBlue™ Quick Cell Viability Fluorometric Assay Kit (K303)
ApoSENSOR™ Cell Viability Assay Kit (K254)
EZViable™ Calcein AM Cell Viability Assay Kit (Fluorometric) (K305)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***