

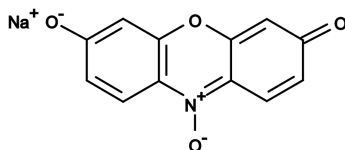
## Product Information Sheet

### Ordering Information

Product Number:	15700
Product Name:	Resazurin, sodium salt *CAS 62758-13-8*
Unit Size:	100 mg
Storage Conditions:	Freeze (<-15 °C), Minimize light exposure
Expiration Date:	12 months upon receiving

### Chemical and Spectral Properties

Appearance:	Solid
Molecular Weight:	251.17
Chemical Structure:	



Soluble In:	DMSO
Excitation Wavelength:	571
Emission Wavelength:	585

### Application Notes

Resazurin is a non-toxic, water-soluble and redox-sensitive dye that changes from its blue/non-fluorescent state to pink/highly-fluorescent upon reduction to resorufin by many biological processes. Resazurin added to viable cells become reduced via an as yet unknown mechanism by enzymatic or chemical reactions in cells. This feature is widely used for measuring cell proliferation, viability and cytotoxicity. Resazurin may be added at any time during the culture period. For measurement of cell proliferation, it is best to add resazurin during log phase growth. Incubation times may vary depending on the metabolic rates of the cell lines being tested. Fluorescence can be read using 544 nm/590 nm filter set. Absorbance can be read using a spectrophotometer set at 570 nm.