

## Resazurin, Cell viability probe

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Catalog	Unit
TBI3104-5MG	5 mg
TBI3104-25MG	25 mg

### Product Details

**Formal Name:** 7-Hydroxy-3H-phenoxazin-3-one 10-oxide, monosodium salt

**Molecular Formula:** C<sub>12</sub>H<sub>6</sub>NO<sub>4</sub> • Na

**Formula Weight:** 251.20

**CAS Number:** 62758-13-8

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 0.5 mg/ml)

**Storage:** RT

**Stability:** ≥ 1 year.

### Applications

Cell viability probe

### Functions

A highly useful cell viability probe for cytotoxicity assays, in which it is reduced to fluorescent resorufin (Ex/Em = 568 / 585) by aerobic respiration. Resazurin is also reduced by enzymes, such as NADH dehydrogenase, making it a good mitochondrial metabolism probe. Other uses include screening cancer drugs and antibiotics.

### Application Procedures

First dissolved in DMSO (up to 0.5 mg/ml), then diluted to aqueous buffer.

**For research use only.**