

## Resazurin sodium salt

Catalog No: tcsc0040317

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**Available Sizes** 

#### **Size:** 1g

Specifications

#### CAS No:

62758-13-8

#### Formula:

C<sub>12</sub>H<sub>6</sub>NNaO<sub>4</sub>

#### Pathway:

Others

#### **Target:**

Others

#### **Purity / Grade:**

>98%

#### Solubility:

DMSO : 150 mg/mL (597.21 mM; Need ultrasonic and warming)

# **Observed Molecular Weight:** 251.17

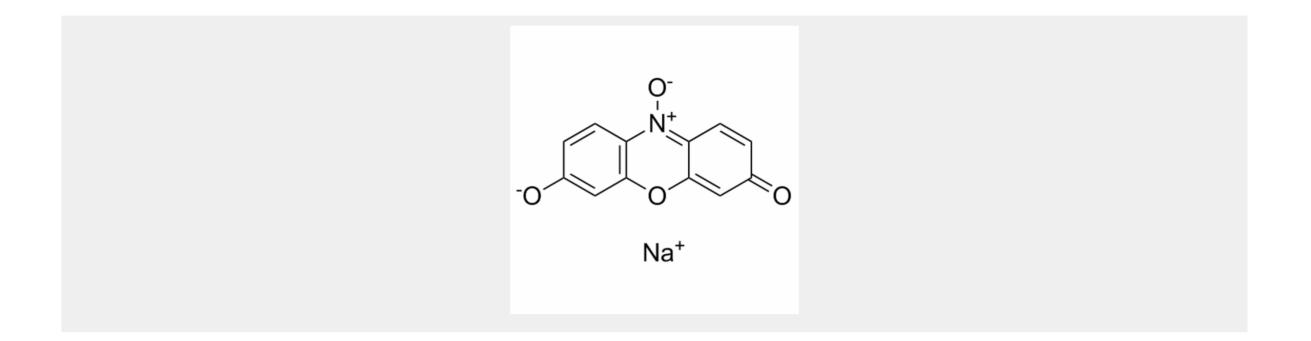
### **Product Description**

Resazurin sodium salt is commonly used to measure bacterial and eukaryotic cell viability through its reduction to the fluorescent product resorufin.

*In Vitro:* Resazurin sodium salt is commonly used to measure bacterial and eukaryotic cell viability through its reduction to the fluorescent product resorufin. No viable bacteria are detected 24 h post-inoculation following inclusion of Resazurin sodium salt in TSBc cultures of *F. tularensis* LVS at the concentration of 44  $\mu$ M. Lowering the Resazurin sodium salt concentration to as little as 4.4  $\mu$ M still results in a 10-fold reduction in viable *F. tularensis* LVS compare to growth medium alone. Both Resazurin sodium salt treatments result in a significant decrease in viable *F. tularensis* LVS bacteria over 22 h. Treatment with Resazurin sodium salt



significantly reduces the number of viable *F. tularensis* LVS bacteria in HEK293 cells 22 h post-infection<sup>[1]</sup>.



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