

**Product Name:** 7-Ethoxyresorufin

**Catalog No.:** 6204

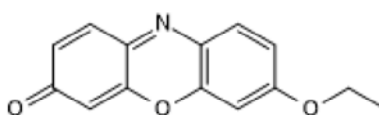
**Batch No.:** 2

CAS Number: 5725-91-7

IUPAC Name: 7-Ethoxy-3*H*-phenoxazin-3-one

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>14</sub>H<sub>11</sub>NO<sub>3</sub>  
**Batch Molecular Weight:** 241.24  
**Physical Appearance:** Orange solid  
**Solubility:** DMSO to 1 mM with gentle warming  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	69.7	4.6	5.81
Found	69.44	4.73	5.65

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Fluorometric substrate of cytochrome P450.

**Physical and Chemical Properties:**

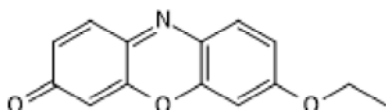
Batch Molecular Formula: C<sub>14</sub>H<sub>11</sub>NO<sub>3</sub>

Batch Molecular Weight: 241.24

Physical Appearance: Orange solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 1 mM with gentle warming

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Li and Rand** (1996) Inhibition of NO-mediated responses by 7-ethoxyresorufin, a substrate and competitive inhibitor of cytochrome P450. Br.J.Pharmacol. **118** 57. PMID: 8733576.

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