

Certificate of Analysis

Product Name: 7-Ethoxyresorufin

Catalog No.: 6204

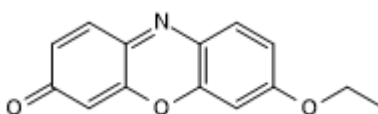
Batch No.: 1

CAS Number: 5725-91-7

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₁NO₃
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

TLC: R_f = 0.27 (Acetone in Chloroform [98:2])
HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	69.7	4.6	5.81
Found	69.61	4.54	5.79

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

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

Description:

Fluorometric substrate of cytochrome P450.

Physical and Chemical Properties:

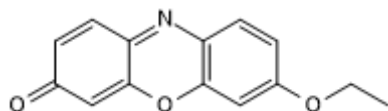
Batch Molecular Formula: C₁₄H₁₁NO₃

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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