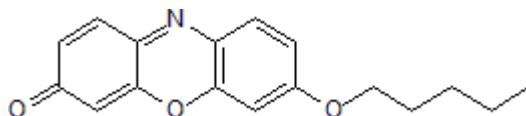


Certificate of Analysiswww.tocris.com**Product Name:** Pentoxyresorufin**Catalog No.:** 4816**Batch No.:** 1

CAS Number: 87687-03-4

IUPAC Name: 7-(Pentyloxy)-3*H*-phenoxyazin-3-one**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₇H₁₇NO₃·½H₂O**Batch Molecular Weight:** 287.82**Physical Appearance:** Brown solid**Solubility:** DMSO to 5 mM
ethanol to 10 mM with gentle warming**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 98.5% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.94	6.13	4.87
Found	70.93	5.92	4.92

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

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Product Information

www.tocris.com**Product Name:** Pentoxyresorufin**Catalog No.:** 4816**Batch No.:** 1

CAS Number: 87687-03-4

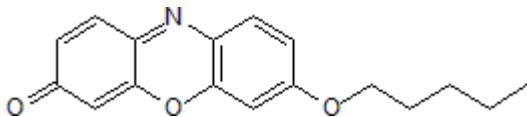
IUPAC Name: 7-(Pentyloxy)-3*H*-phenoxyazin-3-one**Description:**

Fluorometric cytochrome P450 substrate.

Physical and Chemical Properties:Batch Molecular Formula: C₁₇H₁₇NO₃.1/4H₂O

Batch Molecular Weight: 287.82

Physical Appearance: Brown solid

Minimum Purity: >98%**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 5 mM
ethanol to 10 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:

Lubet *et al* (1985) Dealkylation of pentoxyresorufin: a rapid and sensitive assay for measuring induction of cytochrome(s) P-450 by phenobarbital and other xenobiotics in the rat. *Arch.Biochem.Biophys.* **238** 43. PMID: 3985627.

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