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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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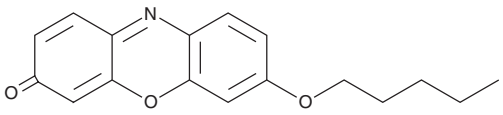
PRODUCT INFORMATION

Pentoxyresorufin

Item No. 14853

CAS Registry No.: 87687-03-4
Formal Name: 7-(pentyloxy)-3H-phenoxazin-3-one
Synonyms: 7-Pentoxyresorufin, O-Pentylresorufin
MF: $C_{17}H_{17}NO_3$
FW: 283.3
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Pentoxyresorufin is supplied as a solid. A stock solution may be made by dissolving the pentoxyresorufin in the solvent of choice, which should be purged with an inert gas. Pentoxyresorufin is slightly soluble in chloroform.

Description

Pentoxyresorufin is a fluorogenic substrate for cytochrome P450 (CYP) enzymes.[1,2]

References

1. Lubet, R.A., Mayer, R.T., Cameron, J.W., *et al.* 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(1)**, 43-48 (1985).
2. Uehara, S., Murayama, N., Nakanishi, Y., *et al.* Immunochemical detection of cytochrome P450 enzymes in liver microsomes of 27 cynomolgus monkeys. *J. Pharmacol. Exp. Ther.* **339(2)**, 651-661 (2011).

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