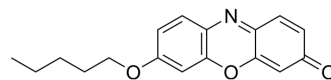


Resorufin pentyl ether

Cat. No.:	HY-D0147
CAS No.:	87687-03-4
Molecular Formula:	C ₁₇ H ₁₇ NO ₃
Molecular Weight:	283.32
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Resorufin pentyl ether (Pentoxyresorufin) is a Resazurin (HY-111391) analogue. Resorufin pentyl ether can function as a substrate probe to characterize and differentiate between a variety of inducers of cytochromes P-450. Resorufin pentyl ether has bactericidal activity against *N. gonorrhoeae*^{[1][2]}.

REFERENCES

[1]. Deanna M. Schmitt, et al. Antibacterial activity of resazurin-based compounds against *Neisseria gonorrhoeae* in vitro and in vivo. *Int J Antimicrob Agents*. 2016 Oct; 48(4): 367-372.

[2]. M D Burke, et al. Ethoxy-, pentoxy- and benzyloxyphenoxazones and homologues: a series of substrates to distinguish between different induced cytochromes P-450. *Biochem Pharmacol*. 1985 Sep 15;34(18):3337-45.

Caution: Product has not been fully validated for medical applications. For research use only.

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