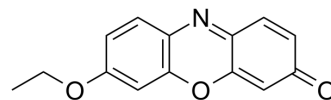


7-Ethoxyresorufin

Cat. No.:	HY-D0145
CAS No.:	5725-91-7
Molecular Formula:	C ₁₄ H ₁₁ NO ₃
Molecular Weight:	241.24
Target:	Cytochrome P450; NO Synthase
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMF : 2 mg/mL (8.29 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1452 mL	20.7262 mL	41.4525 mL
	5 mM	0.8290 mL	4.1452 mL	8.2905 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

7-Ethoxyresorufin (Resorufin ethyl ether) is a fluorometric substrate and competitive inhibitor of cytochrome P450, especially CYP1A1. 7-Ethoxyresorufin also inhibits NO synthase^{[1][2]}.

REFERENCES

[1]. C G Li, et al. Inhibition of NO-medicate responses by 7-ethoxyresorufin, a substrate and competitive inhibitor of cytochrome P450. Br J Pharmacol. 1996 May;118(1):57-62.

[2]. Thomas K H Chang, et al. Enzymatic analysis of cDNA-expressed human CYP1A1, CYP1A2, and CYP1B1 with 7-ethoxyresorufin as substrate. Methods Mol Biol. 2006;320:85-90.

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

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