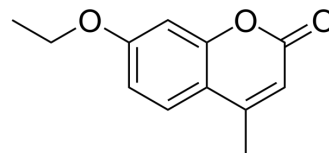


7-Ethoxy-4-methylcoumarin

Cat. No.:	HY-D0092
CAS No.:	87-05-8
Molecular Formula:	C ₁₂ H ₁₂ O ₃
Molecular Weight:	204.22
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	7-Ethoxy-4-methylcoumarin is a coumarin derivative and can be used as a substrate probe of mammalian cytochromes P450 1A1, 2B4 and 2B6 ^{[1][2]} .		
IC ₅₀ & Target	CYP1A1	CYP2B4	CYP2B6

REFERENCES

- [1]. Kuhn UD, et al. Induction of cytochrome P450 1A1 in rat liver slices by 7-ethoxycoumarin and 4-methyl-7-ethoxycoumarin. *Exp Toxicol Pathol*. 1998 Sep;50(4-6):491-6.
- [2]. Liu J, et al. Coumarin Derivatives as Substrate Probes of Mammalian Cytochromes P450 2B4 and 2B6: Assessing the Importance of 7-Alkoxy Chain Length, Halogen Substitution, and Non-Active Site Mutations. *Biochemistry*. 2016 Apr 5;55(13):1997-2007.

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

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