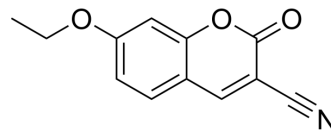


## 3-Cyano-7-ethoxycoumarin

Cat. No.:	HY-D0055
CAS No.:	117620-77-6
Molecular Formula:	C <sub>12</sub> H <sub>9</sub> NO <sub>3</sub>
Molecular Weight:	215.2
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)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (58.09 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.6468 mL	23.2342 mL	46.4684 mL
				5 mM	0.9294 mL	4.6468 mL	9.2937 mL
				10 mM	0.4647 mL	2.3234 mL	4.6468 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (11.62 mM); Suspended solution; Need ultrasonic						

### BIOLOGICAL ACTIVITY

Description	3-Cyano-7-ethoxycoumarin is a fluorogenic cytochrome P-450 substrate that generates blue fluorescent product upon enzyme cleavage. Target: Cytochrome P450. 3-Cyano-7-ethoxycoumarin is a fluorescent probe useful in microsomal dealkylase studies. 3-Cyano-7-ethoxycoumarin is a high purity and quality chemical used as molecular probe. Typical drug-drug interactions resulting from enzyme inhibition.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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