

## 7ETMC

## Chemical Properties

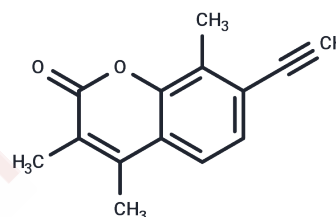
CAS No. : 1370702-83-2

Formula: C<sub>14</sub>H<sub>12</sub>O<sub>2</sub>

Molecular Weight: 212.24

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	7ETMC is a selective Human Cytochrome P450s 1A1 and 1A2 inhibitor. 7ETMC showed IC <sub>50</sub> s of 0.46 μM and 0.50 μM for P450s 1A1 and 1A2 in the first six minutes, respectively, and did not show any inhibition activity for P450s 2A6 and 2B1 even at the dose of 50 μM.
Targets(IC <sub>50</sub> )	Others,Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7116 mL	23.5582 mL	47.1165 mL
5 mM	0.9423 mL	4.7116 mL	9.4233 mL
10 mM	0.4712 mL	2.3558 mL	4.7116 mL
50 mM	0.0942 mL	0.4712 mL	0.9423 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Liu J, Nguyen TT, Dupart PS, Sridhar J, Zhang X, Zhu N, Stevens CL, Foroozesh M. 7-Ethynylcoumarins: selective inhibitors of human cytochrome P450s 1A1 and 1A2. Chem Res Toxicol. 2012 May 21;25(5):1047-57. doi: 10.1021/tx300023p. Epub 2012 Apr 10. PubMed PMID: 22443586; PubMed Central PMCID: PMC3358478.

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