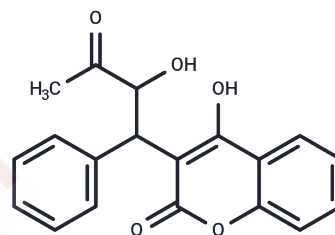


## 10-hydroxy Warfarin

## Chemical Properties

CAS No. :	83219-99-2
Formula:	C <sub>19</sub> H <sub>16</sub> O <sub>5</sub>
Molecular Weight:	324.332
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	10-hydroxy Warfarin is a metabolite of (R)-warfarin .1It is formed from (R)-warfarin by the cytochrome P450 (CYP) isoform CYP3A4. 10-hydroxy Warfarin is an inhibitor of CYP2C9 (IC <sub>50</sub> = 1.6 μM), the enzyme that converts (S)-warfarin to its 6-hydroxy warfarin and 7-hydroxy warfarin metabolites.2
Targets(IC <sub>50</sub> )	Others,Cytochromes P450,Drug Metabolite

## Solubility Information

Solubility	Methanol: Slightly soluble DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0833 mL	15.4164 mL	30.8328 mL
5 mM	0.6167 mL	3.0833 mL	6.1666 mL
10 mM	0.3083 mL	1.5416 mL	3.0833 mL
50 mM	0.0617 mL	0.3083 mL	0.6167 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

- Kaminsky, L.S., and Zhang, Z.-Y. Human P450 metabolism of warfarin *Pharmacol. Ther.* 73(1)67-74(1997)
- Jones, D.R., Kim, S.-Y., Guderyon, M., et al. Hydroxywarfarin metabolites potently inhibit CYP2C9 metabolism of S-warfarin *Chem. Res. Toxicol.* 23(5)939-945(2010)

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481