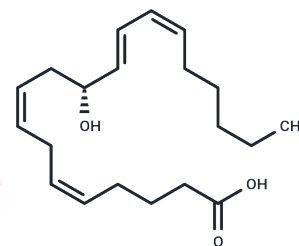


## 11(R)-HETE

## Chemical Properties

CAS No. :	73347-43-0
Formula:	C <sub>20</sub> H <sub>32</sub> O <sub>3</sub>
Molecular Weight:	320.473
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	11(R)-HETE is biosynthesized by 11(R)-LOs of the sea urchin, <i>S. purpuratus</i> , and the fresh water hydra, <i>H. vulgaris</i> . The biological activity of 11(R)-HETE relates to oocyte maturation and tentacle regeneration, respectively, in these two species. 11(R)-HETE is also produced when aspirin-treated recombinant COX-2 is incubated with arachidonic acid. Stereochemical assignment of the (R) enantiomer is based on comparison of chiral HPLC retention times to published results.
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	DMF: Miscible DMSO: Miscible Ethanol: Miscible PBS (pH 7.2): 0.8 mg/mL (2.5 mM),Sonication is recommended. 0.1 M Na <sub>2</sub> CO <sub>3</sub> : 2 mg/mL (6.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1204 mL	15.6021 mL	31.2042 mL
5 mM	0.6241 mL	3.1204 mL	6.2408 mL
10 mM	0.312 mL	1.5602 mL	3.1204 mL
50 mM	0.0624 mL	0.312 mL	0.6241 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.

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