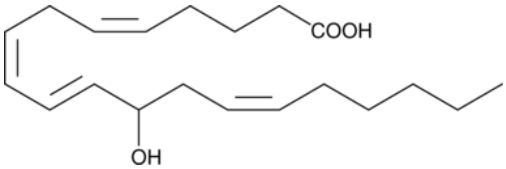
# Product Data Sheet

Product Name: (±)12-HETE
Cat. No.: GC40429

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 71030-37-0 | | |
| Chemical Name | (±)12-hydroxy-5Z,8Z,10E,14Z-eicosatetraenoic acid | | |
| SMILES | CCCCC/C=C\CC(O)/C=C/C=C\C/C=C\CCCC(O)=O | | |
| Formula | $C_{20}H_{32}O_3$ | M.Wt | 320.5 |
| Solubility | 0.1 M Na2CO3: 2 mg/ml,DMF: Miscible, DMSO: Miscible, Ethanol: Miscible, PBS (pH 7.2): 0.8 mg/ml | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure |  | | |



## Background

(±)12-HETE is one of the six monohydroxy fatty acids produced by the non-enzymatic oxidation of arachidonic acid. The biological activity of (±)12-HETE is similar to that of its constituent enantiomers . It aggregates neutrophils with an EC50 value of 40 nM.[1]

Reference:

[1]. O'Flaherty, J.T., Thomas, M.J., Lees, C.J., et al. Neutrophil-aggregating activity of monohydroxyeicosatetraenoic acids. American Journal of Pathology 104, 55-62 (1981).

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

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