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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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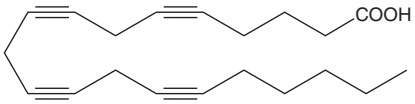
PRODUCT INFORMATION

Eicosatetraynoic Acid

Item No. 90120

CAS Registry No.: 1191-85-1
Formal Name: 5,8,11,14-eicosatetraynoic acid
Synonym: ETYA
MF: $C_{20}H_{24}O_2$
FW: 296.4
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Eicosatetraynoic acid (ETYA) is supplied as a crystalline solid. A stock solution may be made by dissolving the ETYA in the solvent of choice, which should be purged with an inert gas. ETYA is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of ETYA in ethanol is approximately 1 mg/ml and approximately 30 mg/ml in DMSO and DMF.

Description

ETYA is a nonspecific inhibitor of cyclooxygenases (COX) and lipoxygenases (LO).[1] ETYA inhibits human platelet 12-LO and COX-1 with IC_{50} values of 4 µM and 8 µM, respectively.[1] ETYA is a PPAR ligand which activates PPARα and PPARγ chimeras at concentrations of 10 µM.[2]

References

1. Hammarström, S. Selective inhibition of platelet *n*-8 lipoxygenase by 5,8,11-eicosatriynoic acid. *Biochim. Biophys. Acta* **487**, 517-519 (1977).
2. Kliewer, S.A., Lenhard, J.M., Willson, T.M., *et al.* A prostaglandin J_2 metabolite binds peroxisome proliferator-activated receptor γ and promotes adipocyte differentiation. *Cell* **83**, 813-819 (1995).

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