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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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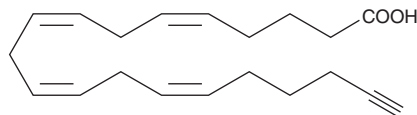
PRODUCT INFORMATION



Arachidonic Acid Alkyne

Item No. 10538

CAS Registry No.: 1219038-32-0
Formal Name: 5Z,8Z,11Z,14Z-eicosatetraen-19-ynoic acid
Synonyms: ω -Alkynyl Arachidonic Acid,
Click Tag™ Arachidonic Acid Alkyne
MF: C₂₀H₂₈O₂
FW: 300.4
Purity: ≥98%
UV/Vis.: λ_{max} : 235 nm
Supplied as: A solution in ethanol
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

Arachidonic acid alkyne is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of arachidonic acid alkyne in these solvents is approximately 100 mg/ml. The solubility of arachidonic acid alkyne in 0.1 M Na₂CO₃ is approximately 1 mg/ml.

Description

Arachidonic acid alkyne is a form of arachidonic acid with an ω -terminal alkyne. The terminal alkyne group can be used in click chemistry linking reactions to tag arachidonic acid with fluorescent or biotinylated labels for analysis of its metabolism and biological activity.^{1,2} Because the alkyne group is at the ω -terminus, this compound can be used to easily tag metabolites and derivatives.

References

1. Kolb, H.C. and Sharpless, K.B. The growing impact of click chemistry on drug discovery. *Drug Discov. Today* **8(24)**, 1128-1137 (2003).
2. Lutz, J.F. and Zarafshani, Z. Efficient construction of therapeutics, bioconjugates, biomaterials and bioactive surfaces using azide-alkyne "click" chemistry. *Adv. Drug Deliv. Rev.* **60(9)**, 958-970 (2008).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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