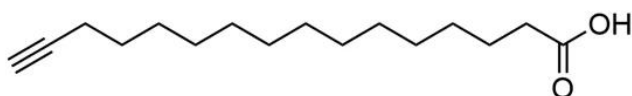




ALKYNYL PALMITIC ACID

SKU: CCT-1165



DESCRIPTION

Alkynyl myristic acid is can be used to identify and characterize the post-translational myristylated proteins Alkynyl palmitic acid (15-hexadecynoic acid or Palmitic acid (15-yne)) is a modified palmitic acid with an ω -terminal alkyne. Alkynyl palmitic acid often used to identify and characterize the post-translational S-palmitoylation of proteins using the powerful click chemistry (see References).

SPECIFICATIONS

CAS Number	99208-90-9
Molecular Weight	252.39
Appearance	White crystalline
Chemical Formula	C ₁₆ H ₂₈ O ₂
Purity	>95% (H NMR)
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform
Storage Instructions	-20°C.
Synonym / Alias Names	15-hexadecynoic acid, Palmitic acid (15-yne)
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



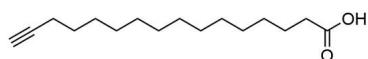
SELECTED REFERENCES

1. Gray, R. A. V., *et al.* (2021). Optimized Incorporation of Alkynyl Fatty Acid Analogs for the Detection of Fatty Acylated Proteins using Click Chemistry. *JoVE Journal*, **10 (3791)**, 62107. [[JoVE Journal](#)]
2. Li, B., *et al.* (2020). TMEM132A, a Novel Wnt Signaling Pathway Regulator Through Wntless (WLS) Interaction. *Front Cell Dev Biol.*, **8**, 599890. [[PubMed](#)]
3. Lee, M.T., *et al.* (2020). Dietary sphinganine is selectively assimilated by members of the mammalian gut microbiome. *J Lipid Res.* [[PubMed](#)]
4. White, F. K. H., *et al.* (2019). S-Palmitoylation of junctophilin-2 is critical for its role in tethering the sarcoplasmic reticulum to the plasma membrane. *J Biol Chem.*, **294 (36)**, 13487-13501. [[PubMed](#)]

DOCUMENTS

- [Safety Data Sheet](#)
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GALLERY IMAGES



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