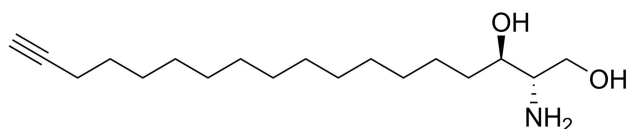




ALKYNE SPHINGANINE

SKU: CCT-1452



DESCRIPTION

Alkyne Sphinganine is a metabolic labeling reagent that contains a terminal alkyne moiety that allows for the subsequent tagging of protein–lipid complexes by click chemistry. The terminal alkyne group can be used in a highly specific linking reaction with azide-containing reagents, known as ‘click chemistry’, in the presence of a copper (Cu)-containing catalyst allowing for the visualization and proteomic profiling of protein–sphingolipid complexes in living cells.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	297.46
Appearance	White crystalline
Chemical Formula	C ₁₈ H ₃₅ NO ₂
Purity	>95% (H NMR)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C.
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

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



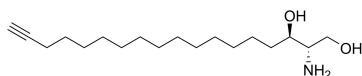
SELECTED REFERENCES

1. Gaebler A., *et al.* (2016). A highly sensitive protocol for microscopy of alkyne lipids and fluorescently tagged or immunostained proteins. *J. Lipid Res.*, **57**, 1934-47. [[PubMed](#)]
2. Gaebler A., *et al.* (2013). Alkyne lipids as substrates for click chemistry-based in vitro enzymatic assays. *J. Lipid Res.*, **54**, 2282-90. [[PubMed](#)]
3. Lee, M.T., *et al.* (2020). Dietary sphinganine is selectively assimilated by members of the mammalian gut microbiome. *J Lipid Res* . [[PubMed](#)]

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
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GALLERY IMAGES



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