



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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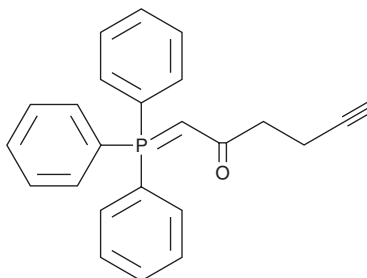
PRODUCT INFORMATION



WYneC

Item No. 42009

CAS Registry No.: 74763-44-3
Formal Name: 1-(triphenylphosphoranylidene)-5-hexyn-2-one
Synonym: Wittig-alkyne C
MF: C₂₄H₂₁OP
FW: 356.4
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

WYneC is supplied as a solid. A stock solution may be made by dissolving the WYneC in the solvent of choice, which should be purged with an inert gas. WYneC is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Description

WYneC is a chemoselective probe for the detection of sulfenylated proteins in live cells.¹ It is selective for sulfenylated proteins over reduced glutathione (GSH), glutathione disulfide (GSSG), and S-nitrosoglutathione (GSNO), as well as cysteine sulfinic acid and glutathione sulfonic acid. WYneC binds to sulfenylated proteins in live cells and can then be conjugated to azide-containing fluorescent probes for detection. It can also be used in redox biology for the determination of S-sulfenylation site occupancy or delivery of cargo to the mitochondria.

Reference

1. Shi, Y., Fu, L., Yang, J., *et al.* Wittig reagents for chemoselective sulfenic acid ligation enables global site stoichiometry analysis and redox-controlled mitochondrial targeting. *Nat. Chem.* **13(11)**, 1140-1150 (2021).

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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