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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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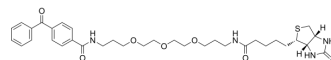
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Biotin-PEG3-benzophenone

Cat. No.:	HY-D2353
CAS No.:	756525-96-9
Molecular Formula:	C ₃₄ H ₄₆ N ₄ O ₇ S
Molecular Weight:	654.82
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Biotin-PEG3-benzophenone is biotin-labeled Benzophenone (HY-Y0546). Benzophenone is an endogenous metabolite and a photosensitizer that has been implicated in photosensitive damage to DNA. Benzophenone causes nucleobase oxidation, formation of cyclobutane-pyrimidine dimers, single-strand breaks, DNA-protein cross-links or abasic sites, different pathologies that may occur in nucleosides, oligonucleotides or DNA ^[1].

REFERENCES

[1]. Cuquerella MC, Lhiaubet-Vallet V, Cadet J, Miranda MA. Benzophenone photosensitized DNA damage. *Acc Chem Res.* 2012 Sep 18;45(9):1558-70.

Caution: Product has not been fully validated for medical applications. For research use only.

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