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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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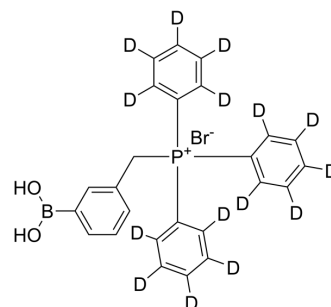
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MitoB-d₁₅ bromide

Cat. No.:	HY-126474S
Molecular Formula:	C ₂₅ H ₈ D ₁₅ BBrO ₂ P
Molecular Weight:	492.23
Target:	Isotope-Labeled Compounds; Reactive Oxygen Species
Pathway:	Others; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MitoB-d₁₅ (bromide) is deuterium labeled MitoB (bromide). MitoB bromide is an exomarker of mitochondrial hydrogen peroxide. MitoB bromide is a mitochondria-targeted ratiometric probe, and can be used to measure levels of one major ROS, hydrogen peroxide, within living animals^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Salin K, et al. Using the MitoB method to assess levels of reactive oxygen species in ecological studies of oxidative stress. *Sci Rep*. 2017 Jan 24;7:41228.
- [3]. Cochemé HM, et al. Using the mitochondria-targeted ratiometric mass spectrometry probe MitoB to measure H₂O₂ in living *Drosophila*. *Nat Protoc*. 2012 Apr 19;7(5):946-58.

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

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