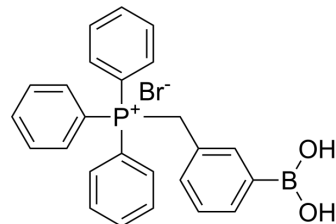


MitoB bromide

Cat. No.:	HY-126474
CAS No.:	1247025-84-8
Molecular Formula:	C ₂₅ H ₂₃ BBrO ₂ P
Molecular Weight:	477.14
Target:	Reactive Oxygen Species
Pathway:	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 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]} .
In Vitro	MitoB is rapidly taken up by mitochondria and converts to MitoP, which enables the quantification of H ₂ O ₂ ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. 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.
- [2]. 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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