

MitoNeoD

Chemical Properties

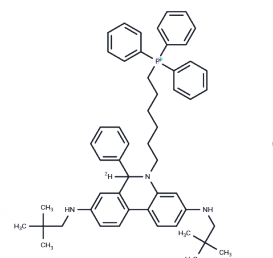
CAS No. :

Formula: C₅₃H₆₂DBrN₃P

Molecular Weight: 853.99

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	MitoNeoD is a novel mitochondria-targeted O ₂ (-) probe that can be used in vivo. It prevents DNA intercalation. MitoNeoD incorporates a carbon-deuterium bond, and enhances O ₂ (-) selectivity.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.171 mL	5.8549 mL	11.7097 mL
5 mM	0.2342 mL	1.171 mL	2.3419 mL
10 mM	0.1171 mL	0.5855 mL	1.171 mL
50 mM	0.0234 mL	0.1171 mL	0.2342 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Liu W, Xue Y, Ma M, Wang S, Liu N, Chen Y. Multiple oxidative routes towards the maturation of nosiheptide. *Chembiochem*. 2013 Sep 2;14(13):1544-7. doi: 10.1002/cbic.201300427. Epub 2013 Aug 12. PubMed PMID: 23939763.

Jiang L, Xue YJ, Liu WY, Ma M, Wu XR, Wang SZ, Chen YJ. The importance of start codon of nosM in nosiheptide production. *Chin J Nat Med*. 2015 Nov;13(11):854-860. doi: 10.1016/S1875-5364(15)30089-3. PubMed PMID: 26614460.

Yin S, Jiang H, Chen D, Murchie AI. Substrate recognition and modification by the nosiheptide resistance methyltransferase. *PLoS One*. 2015 Apr 24;10(4):e0122972. doi: 10.1371/journal.pone.0122972. eCollection 2015. PubMed PMID: 25910005; PubMed Central PMCID: PMC4409310.

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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