

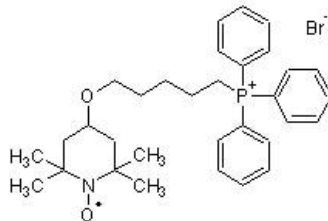
## Product datasheet

# MitoTEMPOL, mitochondria-targeted antioxidant agent ab144644

[5 References](#) [1 Image](#)

### Overview

<b>Product name</b>	MitoTEMPOL, mitochondria-targeted antioxidant agent
<b>Description</b>	Mitochondria-targeted antioxidant agent
<b>Purity</b>	> 98%
<b>CAS Number</b>	1101113-39-6
<b>Chemical structure</b>	



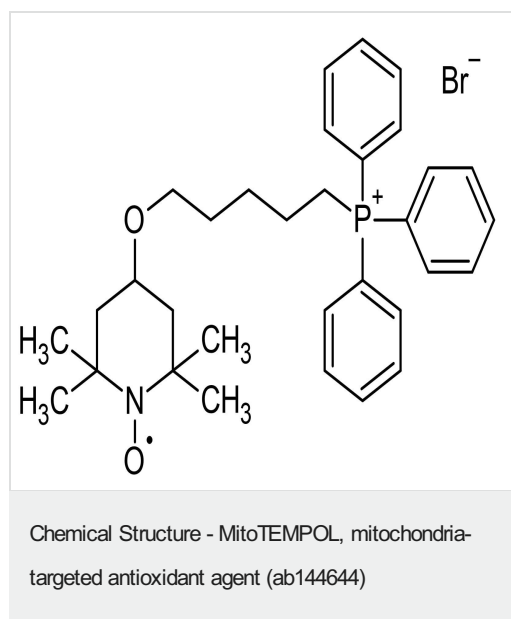
### Properties

<b>Chemical name</b>	2,2,6,6-Tetramethyl-4-[[5-(triphenylphosphonio)pentyl]oxy]-1-piperidinyloxy bromide
<b>Molecular weight</b>	583.57
<b>Molecular formula</b>	C <sub>32</sub> H <sub>42</sub> BrNO <sub>2</sub> P
<b>PubChem identifier</b>	132285183
<b>Storage instructions</b>	Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	<chem>CC1(CC(CC(N1[O])(C)C)OCCCC[P+](C2=CC=CC=C2)(C3=CC=CC=C3)C4=CC=CC=C4)C.[Br-]</chem>

Source

Synthetic

## Images



2D chemical structure image of ab144644, MitoTEMPOL, mitochondria-targeted antioxidant agent

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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