MitoTEMPOL, mitochondria-targeted antioxidant agent

Overview

Product name: MitoTEMPOL, mitochondria-targeted antioxidant agent

Description: Mitochondria-targeted antioxidant agent


Purity: > 98%

CAS Number: 1101113-39-6

Chemical structure:

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Chemical name: 2,2,6,6-Tetramethyl-4-[[5-(triphenylphosphonio)pentyl]oxy]-1-piperidinyloxy bromide
Molecular weight: 583.57
Molecular formula: C_{32}H_{42}BrNO_{2}P
PubChem identifier: 132285183
Storage instructions: 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.
Solubility overview: Soluble in water to 100 mM
Handling: 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 frequently asked questions (FAQ) page for more details.

5 References 1 Image
SMILES
CC1(CC(CC(\{N1\}{[O\}](C)C)OCCCCC\{P+[\}(C2=CC=CC=C2)\}(C3=CC=CC=C3)C4=CC=CC=C4)C.{[Br-]}

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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