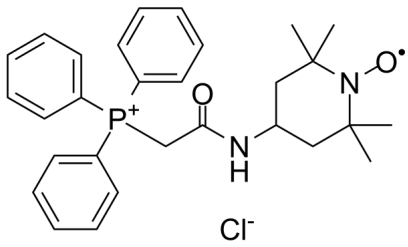


Certificate of Analysis

Catalog Number	BP15142
Product Name	Mito-TEMPO

Physical and Chemical Properties

CAS No.	1334850-99-5
Chemical Formula	C ₂₉ H ₃₅ ClN ₂ O ₂ P
Molecular Weight	510.03
Solubility	H ₂ O: 60 mg/mL (117.64 mM), Need ultrasonic DMSO: 125 mg/mL (245.08 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Mito-TEMPO is a mitochondria-targeted superoxide dismutase mimetic. Mito-TEMPO with superoxide and alkyl radical scavenging properties.
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In vivo	Mito-Tempo could induce secondary apoptosis in the late phase of APAP hepatotoxicity. Mito-Tempo induces secondary apoptosis after APAP overdose by inhibition of RIP3.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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