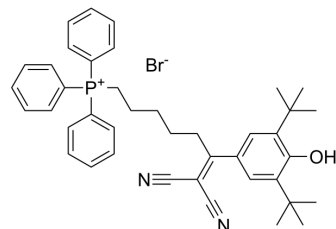


SF-C5-TPP

Cat. No.:	HY-157933
Molecular Formula:	C ₄₁ H ₄₆ BrN ₂ OP
Molecular Weight:	693.69
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SF-C5-TPP is a potent mitochondria-targeted protonophoric uncoupler. SF-C5-TPP has significant proton transfer activity on model planar bilayer lipid membranes. SF-C5-TPP inhibits the growth of *Bacillus subtilis* with a MIC of 2 μM[>][1].

REFERENCES

[1]. Kirsanov R S, et al. Synthesis of Triphenylphosphonium-Linked Derivative of 3, 5-Di tert-butyl-4-hydroxybenzylidene-malononitrile (SF6847) via Knoevenagel Reaction Yields an Effective Mitochondria-Targeted Protonophoric Uncoupler. ACS Omega. 2024.

Caution: Product has not been fully validated for medical applications. For research use only.

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