

**Product Name:** Tpp-CAQK TFA

**Cat. No.:** MRP-2505-CXX-44

**Package:** 1 mg/5 mg/10 mg/50 mg/100 mg

## Description

Tpp-CAQK TFA binds to mitochondria, facilitating the creation of Mito-Tpp-CAQK TFA, an engineered mitochondrial compound with excellent bioactivity. It's internalized by macrophages, enhancing myelin debris phagocytosis, alleviating mitochondrial dysfunction, and reducing proinflammatory profiles, ultimately aiding tissue repair and functional recovery in mice after spinal cord injury.

## Product Details

**Purity:** 99.09%

**Formula:** C<sub>42</sub>H<sub>54</sub>F<sub>3</sub>N<sub>6</sub>O<sub>9</sub>PS

**Molecular Weight:** 906.95

**Appearance:** Solid

**Color:** White to off-white

**Biological Target:** Endogenous Metabolite

**Research Areas:** Inflammation/Immunology


**Sequence:** Cys-Ala-Gln-Lys-{TPP}

**Sequence Shortening:** CAQK-{TPP}

**Solubility:** H<sub>2</sub>O: 50 mg/mL (55.13 mM, need ultrasonic)

**Shipping Conditions:** Room Temperature

**Storage Information:** Powder: -80°C (2 years), -20°C (1 year); In solvent: -80°C (6 months), -20°C (1 month)

 For preclinical research and development use only; not intended for therapeutic or other applications.