

M-1, Mitochondrial fusion activator

| Catalog | Unit |
|--------------|-------|
| TBI1598-5MG | 5 mg |
| TBI1598-25MG | 25 mg |

Product Details

Formal Name: (E)-4-Chloro-2-(1-(2-(2,4,6-trichlorophenyl)hydrazono)ethyl)phenol

Alternate Names: 1-(5-Chloro-2-hydroxyphenyl)-ethanone 2-(2,4,6-trichlorophenyl)hydrazone

Molecular Formula: C₁₄H₁₀Cl₄N₂O

Formula Weight: 364.05

CAS Number: 219315-22-7

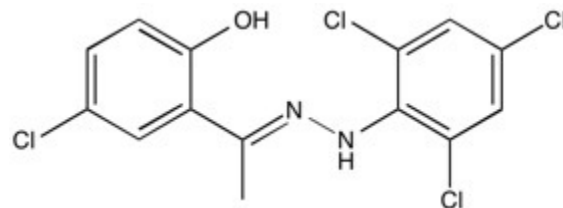
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 6 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Mitochondrial fusion activator

Functions

Enhances mitochondrial fusion without interfering with endoplasmic reticulum (ER) and lysosome morphology. M-1 protects cells from mitochondrial fragmentation-associated cell death. Promotion of mitochondrial fusion has protective effects in rotenone-induced neurotoxicity. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Ethanol (up to 6 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.