

Product Name: TTFA

Cat. No.: BIAOP-2505-CXX-21

Package: 100 mg/500 mg

Description

TTFA inhibits mitochondrial respiration by blocking respiratory chain complex II, binding to the ubiquinone sites Qp and Qd. This inhibition delays cell cycle progression and induces oxidative stress.

Product Details

Formal Name: 4, 4, 4-Trifluoro-1-(2-thienyl)-1, 3-butanedione

Purity: >98%

CAS Number: 326-91-0

Formula: C₈H₅F₃O₂S

Molecular Weight: 222.18

Appearance: Powder

Solubility: Dissolves in DMSO (up to 25 mg/mL) or in ethanol (up to 25 mg/mL)

Stability: ≥ 1 year

Application Procedures: First, dissolve in DMSO (up to 25 mg/mL) or in Ethanol (up to 25 mg/mL), and then dilute it into an aqueous buffer. Solutions in DMSO or Ethanol can be stored at -20°C for up to 1 month.

Storage Information: -20°C

Application

Mitochondrial Complex II inhibitor

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