TTFA

Mitochondrial Complex II inhibitor

TTFA blocks the respiratory chain complex II causing inhibition of mitochondrial respiration. Respiratory chain complex II inhibition is caused via binding of TTFA to two ubiquinone binding sites, Qp and Qd. Inhibition of Complex II by TFA has been shown to cause a delay in overall cell cycle progression leading to oxidative stress. TTFA also was found to inhibit porcine liver carboxylesterase.

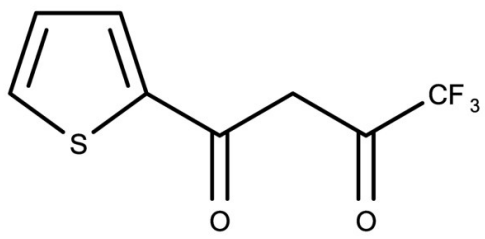
Ordering Information

Order Online »

ENZ-CHM497-0500	500mg

Manuals, SDS & CofA

View Online »

S O O CF 3	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Thenoyltrifluoroacetone, 4,4,4-Trifluoro-1-(2-thienyl)-1,3-butanedione
Appearance	Pale yellow solid.
CAS	326-91-0
Couple Type	Inhibitor
Formula	$C_8H_5F_3O_2S$
Identity	Determined by NMR.
MW	222.18
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (25 mg/ml) or ethanol (25 mg/ml).

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