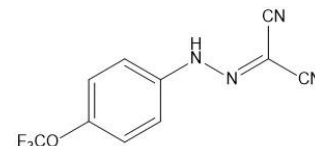


Catalog	Unit
TBI1182 - 10MG	10 mg
TBI1182 - 50MG	50 mg

### Product Details

**Formal Name:** Carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone  
**Molecular Formula:** C<sub>10</sub>H<sub>5</sub>F<sub>3</sub>N<sub>4</sub>O  
**Formula Weight:** 254.17  
**CAS Number:** 370-86-5  
**Purity:** >98%  
**Formulation:** Powder  
**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).  
**Storage:** -20°C  
**Stability:** ≥ 2 years.



### Applications

Mitochondrial oxidative phosphorylation inhibitor

### Functions

FCCP (370-86-5) is an extremely potent uncoupler of mitochondrial oxidative phosphorylation (IC<sub>50</sub> = 20 nM). Induces apoptosis in a variety of cell lines. Inhibits wild type and mutant beta-amyloid production in embryonic kidney 293 cells expressing either wild-type or “Swedish” mutant APP. An important tool for inhibiting mitochondrial membrane potential. Cell permeable.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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