

**Product Name:** CCCP

**Catalog No.:** 0452 **Batch No.:** 2

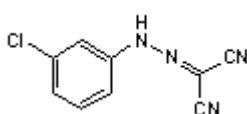
**CAS Number:** 555-60-2

**EC Number:** 209-103-7

**IUPAC Name:** Carbonyl cyanide 3-chlorophenylhydrazone

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>9</sub>H<sub>5</sub>CIN<sub>4</sub>  
**Batch Molecular Weight:** 204.62  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure

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**Catalog No.:** 0452 **Batch No.:** 2

**CAS Number:** 555-60-2

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**IUPAC Name:** Carbonyl cyanide 3-chlorophenylhydrazone

**Description:**

Widely used uncoupler of oxidative phosphorylation.

**Physical and Chemical Properties:**

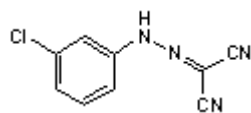
Batch Molecular Formula: C<sub>9</sub>H<sub>5</sub>CIN<sub>4</sub>

Batch Molecular Weight: 204.62

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Heytler and Pritchard** (1962) A new class of uncoupling agents - carbonyl cyanide phenylhydrazones. *Biochem.Biophys.Res.Comm.* **7** 272. PMID: 13907155.

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