1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C₉H₅ClN₄
- **Batch Molecular Weight:** 204.62
- **Physical Appearance:** Beige solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Store at RT
- **Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

- **HPLC:** Shows 99.9% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon: Theoretical 52.83, Found 52.88
  - Hydrogen: Theoretical 2.46, Found 2.41
  - Nitrogen: Theoretical 27.38, Found 27.46
Product Name: CCCP
CAS Number: 555-60-2
IUPAC Name: Carbonyl cyanide 3-chlorophenylhydrazone

Description:
Widely used uncoupler of oxidative phosphorylation.

Physical and Chemical Properties:
Batch Molecular Formula: C₉H₆ClN₄
Batch Molecular Weight: 204.62
Physical Appearance: Beige 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: