

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB5062	
Compound name	CCCP	
Chemical name	Carbonyl cyanide 3-chlorophenylhydrazone	
Batch number	E0844-1-3	
Batch molecular formula	C ₉ H ₅ CN ₄	
Batch molecular weight	204.62	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.8%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in DCM shows one spot under uv	Meets specification: R _f =0.6
Physical appearance	Yellow to pale yellow solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

03-09-18

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.