



Product Information

IFNAR inhibitor CCCP, Purity ≥98%

Cat. No.: X23-10-ZQ715

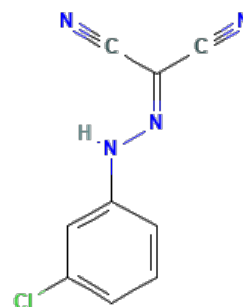
Size: 50 mg; 100 mg; 200 mg; 500 mg

MDL: MFCD00001848

CAS Number: 555-60-2

Compound CID: 2603

Synonym: cccp; 555-60-2; Carbonyl cyanide 3-chlorophenylhydrazone;
(3-Chlorophenyl)hydrazonomalononitrile; Carbonyl cyanide m-chlorophenylhydrazone;
Carbonylcyanide-3-chlorophenylhydrazone; Carbonyl cyanide m-chlorophenyl
hydrazone; IFNAR inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	CCCP, soluble in DMSO and ethanol and insoluble in water, blocks the activity of the IFNAR, which is a critical component of the interferon signaling pathway.
Molecular Weight	204.62
Molecular Formula	C ₉ H ₅ ClN ₄
IUPAC Name	2-[(3-Chlorophenyl)hydrazinylidene]propanedinitrile
InChI	InChI=1S/C9H5ClN4/c10-7-2-1-3-8(4-7)13-14-9(5-11)6-12/h1-4,13H
InChI Key	UGTJLJZQQFGTJD-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC(=C1)Cl)NN=C(C#N)C#N
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 35 mg/mL (171.05 mM); Water: Insoluble; Ethanol: 18 mg/mL (87.96 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	CCCP (carbonyl cyanide m-chlorophenyl hydrazone) is used to uncouple oxidative phosphorylation in mitochondria to study mitochondrial function and apoptosis.
Storage	Store at -20°C.



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