

Product Datasheet

CCCP (orb1300092)

Catalog Number	orb1300092
Category	Small Molecules
Description	CCCP is a mitochondrial uncoupler that dissipates the proton gradient, inhibiting oxidative phosphorylation. It is widely used in vitro to study mitochondrial function, cellular metabolism, and innate immunity, as it also suppresses the STING-TBK1-IRF3 signaling pathway.
Target	PTEN,Antibacterial,IFNAR,STING,COX,Apoptosis,OXPPOS,IkB/IKK,Mitochondrial Metabolism
Purity	97.15% (May vary between batches)
MW	204.62
Target Areas	Antibacterial Apoptosis COX Mitochondrial Metabolism IFNAR IkB/IKK OXPPOS PTEN STING
Solubility (25°C)	Ethanol:5 mg/mL (24.44 mM);DMSO:252.5 mg/mL (1233.99 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:6 mg/mL (29.32 mM)
CAS Number	555-60-2
Formula	C ₉ H ₅ ClN ₄
SMILES	ClC1=CC=CC(N\N=C(/C#N)C#N)=C1
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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