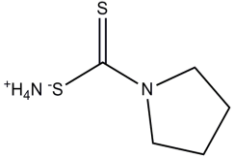


PDTC

ALTERNATE NAME	Pyrrolidinedithiocarbamate Ammonium; PDC; APDC
CATALOG #:	1676-100
AMOUNT:	100 mg
LOT #:	_____
STRUCTURE:	
MOLECULAR FORMULA:	C ₅ H ₉ NS ₂ .NH ₃
MOLECULAR WEIGHT:	164.28
CAS NUMBER:	5108-96-3
APPEARANCE:	White solid
SOLUBILITY:	DMSO (15 mg/ml) or H ₂ O (1 mg/ml)
PURITY:	>98%
STORAGE:	Store at +4°C. Hygroscopic
DESCRIPTION:	An antioxidant and an inhibitor of NF-κB; prevents induction of nitric oxide synthase (NOS) by inhibiting translation of NOS mRNA; induces apoptosis in rat smooth muscle cells and inhibits apoptosis in leukemia HL-60 cells. Also inhibits breast cancer stem-like cells by blocking the NF-κB activity in MCF7 sphere and MCF7 cells.
REFERENCES:	<ol style="list-style-type: none"> Zhou, J., <i>et al.</i> (2008). <i>Breast cancer</i> 111, 419. Bessho, R., <i>et al.</i> (1994). <i>Biochem. Pharmacol.</i> 48, 1883. Sherman, M.P., <i>et al.</i> (1993). <i>Biochem. Biophys. Res. Commun.</i> 191, 1301.
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
 - Annexin V Kits & Bulk Reagents
 - Caspase Assay Kits & Reagents
 - Mitochondrial Apoptosis Kits & Reagents
 - Nuclear Apoptosis Kits & Reagents
 - Apoptosis Inducers and Set
 - Apoptosis siRNA Vectors
- Cell Fractionation System
 - Mitochondria/Cytosol Fractionation Kit
 - Nuclear/Cytosol Fractionation Kit
 - Membrane Protein Extraction Kit
 - Cytosol/Particulate Rapid Separation Kit
 - Mammalian Cell Extraction Kit
 - FractionPREP Fractionation System
- Cell Proliferation & Senescence
 - Quick Cell Proliferation Assay Kit
 - Senescence Detection Kit
 - High Throughput Apoptosis/Cell Viability Assay Kits
 - LDH-Cytotoxicity Assay Kit
 - Bioluminescence Cytotoxicity Assay Kit
 - Live/Dead Cell Staining Kit
- Cell Damage & Repair
 - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
 - HAT Colorimetric Assay Kit & Reagents
 - DNA Damage Quantification Kit
 - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
 - cAMP & cGMP Assay Kits
 - Akt & JNK Activity Assay Kits
 - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
 - Recombinant Adiponectin, Survivin, & Leptin
 - CETP Activity Assay & Drug Discovery Kits
 - PLTP Activity Assay & Drug Discovery Kits
 - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
 - siRNA Vectors
 - Cloning Insert Quick Screening Kit
 - Mitochondrial & Genomic DNA Isolation Kits
 - 5 Minutes DNA Ligation Kit
 - 20 Minutes Gel Staining/Destaining Kit
 - β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies