

Safety Data Sheet

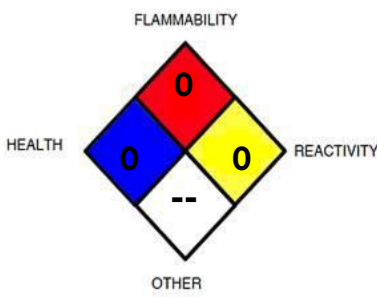
Section 1: Product & Company Identification

Product Name:	Mito-Photo-DNP
Product #:	M-3325
Synonyms:	Mitochondria specific photo-activated protonophore
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	Chemical Formula	% Composition
Mito-Photo-DNP	-	C ₃₅ H ₃₁ BrN ₃ O ₈ P	98

Section 3: Hazards Identification

Symbols	N/A
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Consult physician. Show safety data sheet to physician. Treat symptomatically.
Inhalation:	Remove from exposure. Move to fresh air. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration.
Skin:	Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes.
Eyes:	Immediately flush with water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes separating eyelids.
Ingestion:	Rinse mouth. Induce vomiting.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Not considered a flammable hazard
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances.
Hazardous thermal (de)composition products:	Carbon oxides
Special Fire Fighting Procedures:	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Flash Point:	No data available

Section 6: Accidental Release Measures





Personal Precautions:	Use personal protective equipment. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product. Remove and wash contaminated clothing before reuse.
Environmental Precautions:	Prevent material from entering drains or water courses.

Methods for Clean-up:	Prevent further leakage or spillage if safe to do so. Cover powder with wet paper towels. Minimize spreading. Pick up and transfer to properly labeled containers for disposal.
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SECTION 7: Handling & Storage

Storage:	This product should be stored at room temperature. It should be kept in a tightly closed container. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling this material. Store desiccated at -20°C.
Handling:	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in an area approved for laboratory research.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Wear NIOSH/MSHA approved respirator if required.</p>
Skin and Body:	  <p>Handle with gloves.</p>
Eyes:	 <p>Safety goggles</p>
Ventilation/Engineering Measures:	Showers, eyewash stations, ventilation systems

Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	This product does not contain any hazardous materials with occupational exposure limits established by region-specific regulatory bodies.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Pale-yellow powder
Formula	$C_{35}H_{31}BrN_3O_8P$
Molecular Wt.	732.51
Melting Pt.	No data available
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMSO (60 mg/mL), Ethanol (30 mg/mL)
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	No data available
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	N/A
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.

	<p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Dispose of in accordance with local, state, and federal regulations.
Contaminated Packaging:	Dispose of in accordance with local, state, and federal regulations.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Not hazardous
Risk Phrases:	<p>P261 Avoid breathing dust/ fumes/ gas/ mist/ vapors/ spray.</p> <p>P264 Wash skin thoroughly after handling.</p> <p>P270 Do not eat, drink, or smoke when using this product.</p> <p>P280 Wear eye protection/ face protection.</p> <p>P280 Wear protective gloves/protective clothing</p>

Safety Phrases:	<p>P301 + P310 IF SWALLOWED: Call a poison center or doctor/physician if you feel unwell</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P312 Call a poison center if you feel unwell.</p> <p>P322 Specific measures (see supplemental first aid instructions).</p> <p>P330 Rinse mouth.</p> <p>P361 Take off contaminated clothing.</p> <p>P363 Wash contaminated clothing before reuse.</p>
EU Regulations:	N/A
US Regulations:	<p>TSCA: No products listed</p> <p>California Proposition 65: No products listed</p>
U.S. Federal Regulations:	<p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found.</p> <p>SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found.</p> <p>Clean Water Act (CWA) 311: No products were found.</p> <p>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.</p> <p>OSHA: No products listed</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*