

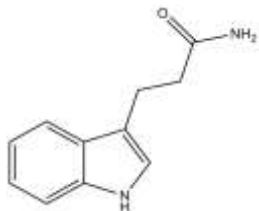
IPAM

ALTERNATE NAME: Indole 3-propionamide

CATALOG #: 1817-100, 500, 1000

AMOUNT: 100 mg, 500 mg, 1 g

STRUCTURE:



MOLECULAR FORMULA: C₁₁H₁₂N₂O

MOLECULAR WEIGHT: 182.23

CAS NUMBER: 5814-93-7

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: ≥99% by GC

STORAGE: Store at -20 °C.

DESCRIPTION: A cell-permeable indole derivative that acts as an antioxidant and mitochondrial metabolism modifier. IPAM binds to the rate-limiting component of oxidative phosphorylation in complex I of the respiratory chain and acts as a stabilizer of energy metabolism, thereby reducing the production of reactive oxygen species (ROS).

REFERENCE: Poeggeler, B., *et al.* (2010). *PLoS One* **5**, e10206.

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 on humans.

RELATED PRODUCTS:

- Ascorbic Acid Assay Kit (**Cat. No. K661-100**)
- Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)
- Catalase Assay kit (**Cat. No. K773-100**)
- Ethanol Assay Kit (**Cat. No. K620-100**)
- Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)
- Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)
- Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)
- Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)
- Glutathione Reductase Assay Kit (**Cat. No. K761-100**)
- GST Colorimetric Assay Kit (**Cat. No. K263-100**)
- GST Fluorometric Assay Kit (**Cat. No. K263-100**)
- Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)
- Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)
- Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)
- Resveratrol (**Cat. No. 1758-100, 500**)
- SOD Activity Assay Kit (**Cat. No. K335-100**)
- Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)
- Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)
- Uric Acid Assay Kit (**Cat. No. K608-100**)
- Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)