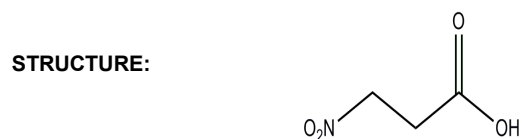


**PRODUCT: 3-Nitropropionic Acid**

**ALTERNATE NAME:** 3-NP  
**CATALOG #:** 2093-50, 250

**AMOUNT:** 50 mg, 250 mg



**MOLECULAR FORMULA:** C<sub>3</sub>H<sub>5</sub>NO<sub>4</sub>

**MOLECULAR WEIGHT:** 119.08

**CAS NUMBER:** 504-88-1

**APPEARANCE:** Colorless to slight yellow solid

**SOLUBILITY:** Ethanol (~ 100 mg/ml)

**PURITY:** ≥97% by titration

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** A plant and fungal toxin, 3-nitropropionic acid acts as an irreversible inactivator of succinate dehydrogenase. Selectively inhibits succinic dehydrogenase complex (Complex II) in the mitochondrial electron transport chain. Also shown to cause brain lesions similar to those of Huntington's disease.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

IPAM (Cat. No. 1817-100, 500, 1000)

JC-1 (Cat. No. 1130-5)

Mitochondria/Cytosol Fractionation Kit (Cat. No. K256-25, 100)

Mitochondrial DNA Isolation Kit (Cat. No. K280-50)

**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*