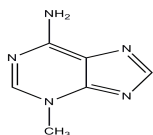


PRODUCT: 3-Methyladenine**ALTERNATE NAME:** 3-Methyl-3*H*-purin-6-amine; 3-MA; NSC 66389**CATALOG #:** 2249-25, 100**AMOUNT:** 25 mg, 100 mg**STRUCTURE:****MOLECULAR FORMULA:** C₆H₇N₅**MOLECULAR WEIGHT:** 149.15**CAS NUMBER:** 5142-23-4**APPEARANCE:** White solid**SOLUBILITY:** DMSO (50 mM)**PURITY:** ≥98%**STORAGE:** At -20°C. Protect from light and moisture**DESCRIPTION:** Commonly used as a specific inhibitor of autophagic sequestration. 3-MA inhibits autophagy by blocking autophagosome formation via the inhibition of type III Phosphatidylinositol 3-kinases (PI-3K).**REFERENCE:** Seglen, P.O., and Gordon, P.B. (1982). *Proc. Natl. Acad. Sci. USA* **79**, 1889-1892.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

ATM Kinase Inhibitor, KU-55933 (Cat. No. 1685-5)

Bafilomycin A1 (cat. No. 1829-50, 250)

Chloroquine diphosphate (Cat. No. 1825-100, 500)

Go6976 (Cat. No. 1711-500)

EZSolution™ Go6976 (Cat. No. 1785-500)

Spautin-1 (Cat. No. 2037-5, 25)

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