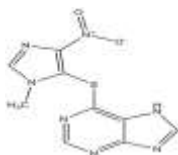


PRODUCT: Azathioprine**ALTERNATE NAME:** 6-[(1-Methyl-4-nitro-1*H*-imidazol-5-yl)thio]-9*H*-purine**CATALOG #:** 9536-100, 500**AMOUNT:** 100 mg, 500 mg**STRUCTURE:****MOLECULAR FORMULA:** C₉H₇N₇O₂S**MOLECULAR WEIGHT:** 277.26**CAS NUMBER:** 446-86-6**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (>25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light

DESCRIPTION: Azathioprine is a purine analog that displays immunosuppressive and anti-inflammatory properties. It serves as a prodrug for 6-mercaptopurine, which alters purine processing and DNA synthesis, interfering with the proliferation of lymphocytes and other myeloid cells.

REFERENCES: Maltzman, J.S., and Koretzky, G.A. (2003). *J. Clin. Invest.* **111**, 1122-1124.

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

RELATED PRODUCTS:

AZD-2014 (Cat. No. 9449-5,25)

BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)

BI-D1870 (Cat. No. 1824-1, 5)

Deforolimus (Cat. No. 1587-5, 25)

DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)

Everolimus (Cat. No. 1917-5, 25)

GDC-0941 (Cat. No. 1623-1,5)

GSK-2126458 (Cat. No. 1961-1, 5)

IC87114 (Cat. No. 1661-1)

LY 294002 (Cat. No. 1667-5, 25)

mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)

mTOR Inhibitor, WYE-28 (Cat. No. 2255-500, 1000)

mTOR Inhibitor, WYE-132 (Cat. No. 2256-500, 1000)

mTOR Inhibitor, WYE-23 (Cat. No. 2257-500, 1000)

PI-103 (Cat. No. 1728-1,5)

PI3-Kγ Inhibitor, AS-605240 (Cat. No. 1780-1,5)

PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)

PP242 (Cat. No. 1658-1)

PX-866 (Cat. No. 1965-1,5)

Rapamycin (Cat. No. 1568-5, 50)

EZSolution™ Rapamycin (Cat. No. 1746-5)

Temsirolimus (Cat. No. 1600-5, 25)

TGX-115 (Cat. No. 1660-1)

TGX-221 (Cat. No. 1781-1,5)

Torin 1 (Cat. No. 2273-5, 25)

Torin 2 (Cat. No. 2274-5, 25)

EZSolution™ Torin 1 (Cat. No. 2353-5)

EZSolution™ Torin 2 (Cat. No. 2354-5)

Wortmannin (Cat. No. 1670)

Zotatarolimus (Cat. No. 9530-1,5)

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