

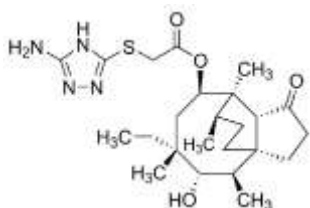
Azamulin

ALTERNATE NAME: (5-Amino-1H-1,2,4-triazol-3-yl)thio]acetic acid (3aS,4R,5S,6R,8R,9R,9aR,10R)-6-ethyldecahydro-5-hydroxy-4,6,9,10-tetramethyl-1-oxo-3a,9-propano-3aH-cyclopentacycloocten-8-yl ester, 14-O-(5-(2-Amino1,3,4-triazolyl)thioacetyl)dihydromutilin, Antibiotic TDM 85-530

CATALOG #: 2915-1, -5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₃₈N₄O₄S

MOLECULAR WEIGHT: 478.65

CAS NUMBER: 76530-44-4

APPEARANCE: White to Beige Powder

SOLUBILITY: DMSO (~10 mg/ml), Acetonitrile (~4.8 mg/ml)

PURITY: ≥98% by HPLC

STABILITY: Caffeine is decomposed by strong bases.

STORAGE: -20°C for 2 years

DESCRIPTION: Azamulin is a derivative of the antibiotic pleuromutilin. It is a highly selective inhibitor of the CYP3A family (IC₅₀ = 0.03-0.24 μM as reported in Stresser et al., DMD, January 2004 vol. 32 no. 1 p105-112). Azamulin is a 15 and 13 fold more potent inhibitor of CYP3A4 compared to CYP3A5 or CYP3A7 respectively making it very useful for CYP3A4 activity assays and can be used as a benchmark in CYP3A4 inhibitor screening assays. It is at least 100 fold selective over other CYP isoforms (except CYP2J2 ~ 50-fold).

HANDLING: Protect from air, light and moisture. Do not take internally. Wear gloves and mask when handling since this product is toxic to the skin or eyes!

RELATED PRODUCTS:

Caffeic Acid (Cat#2006)
Itraconazole (Cat#1987)
Quercetin, Dihydrate (Cat#1773)
Quinidine Sulfate dihydrate (Cat#2910)
Resveratrol (Cat#1758)
Rosiglitazone (Cat#1559)
Thiabendazole (Cat#2161)

FOR RESEARCH USE ONLY! Not to be used on humans.