

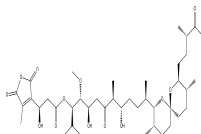
PRODUCT: Tautomycin

ALTERNATE NAME: [(3R,4R,5R,8S,9S,12R)-12-[(2S,3S,6R,8S,9R)-3,9-dimethyl-8-[(3S)-3-methyl-4-oxopentyl]-1,7-dioxaspiro[5.5]undecan-2-yl]-5,9-dihydroxy-4-methoxy-2,8-dimethyl-7-oxotridecan-3-yl](3R)-3-hydroxy-3-(4-methyl-2,5-dioxofuran-3-yl)propanoate

CATALOG #: B1237-10, 50

AMOUNT: 10 µg, 50 µg

STRUCTURE:



MOLECULAR FORMULA: C₄₁H₆₆O₁₃

MOLECULAR WEIGHT: 766.95

CAS NUMBER: 109946-35-2

APPEARANCE: Colorless film

SOLUBILITY: DMSO or EtOH

PURITY: ≥85% by HPLC

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

DESCRIPTION: Tautomycin is a potent protein phosphatase inhibitor that inhibits PP1 completely at 3 nM and PP2 at 30 nM. Acts as a weak inhibitor of PP2B and does not inhibit PP2C. Its cell permeability and unique inhibitory profile makes tautomycin a useful tool for identifying phosphatase subtypes and physiological substrates for PP2 and PP2A.

REFERENCES: Hori, M., *et al.* (1991). *FEBS Lett.* **285**, 145-148.

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

RELATED PRODUCTS:

AEBSF, HCl (**Cat. No. 1644-200, 1G**)

Aprotinin (**Cat. No. 4690-5, 100, 1000**)

BCA Protein Quantitation Kit (**Cat. No. K812-1000**)

E-64 (**Cat. No. 1739-5, 25**)

EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1, set**)

EZBlock™ Phosphatase Inhibitor Cocktail IV (**Cat. No. K282-1, set**)

EZBlock™ Phosphatase Inhibitor Cocktail I (50X) (**Cat. No. K273-1, set**)

EZBlock™ Protease Inhibitor Cocktail II (**Cat. No. K277-set**)

EZBlock™ Protease Inhibitor Cocktail III (**Cat. No. K278-set**)

EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1, set**)

EZBlock™ Protease Inhibitor Cocktail EDTA-Free (**Cat. No. K272-1, 5, set**)

EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (**Cat. No. K290-1, set**)

EZBlock™ Protease Inhibitor Cocktail VI, General Use (**Cat. No. K291-1, set**)

EZBlock™ Protease Inhibitor Cocktail VII (**Cat. No. K292-1, set**)

EZBlock™ Protease Inhibitor Cocktail VIII (**Cat. No. K293-1, set**)

EZBlock™ Protease Inhibitor Cocktail IX (**Cat. No. K294-1, set**)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (**Cat. No. K283-1, set**)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (**Cat. No. K284-1, set**)

EZLys™ Bacterial Protein Extraction Reagent (**Cat. No. 8001-100, 500**)

EZLys™ Lysozyme, Human (**Cat. No. 8005-1G, 5G**)

Okadaic Acid (**Cat. No. 1543-025**)

Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)

Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)

Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)

Leupeptin, Hemisulfate (**Cat. No. 1648-25, 50, 100**)

Pepstatin A (**Cat. No. 1732-25, 100**)

Protease Inhibitor Cocktail (**Cat. No. K271-500**)

PMSF (**Cat. No. 1548-5**)

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