

Tunicamycin 15:1 Mixture Biochemical

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CATALOG #
AAA227369

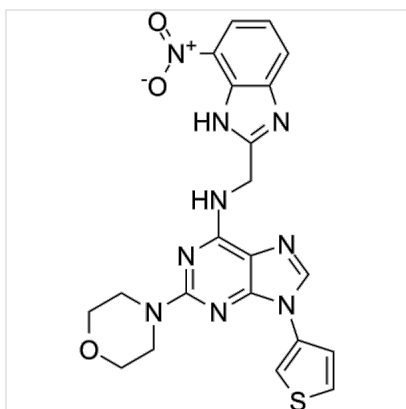
PRODUCT SYNONYMS

Tunicamycin 15:1 Mixture; Tunicamycin 15:1 Mixture biochemical

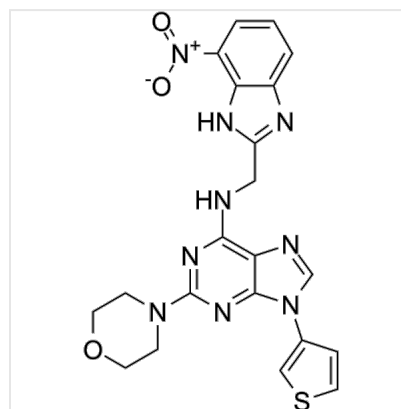
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMSO: 20 mg/mL
	DMF: 20 mg/mL
	DMSO:PBS (pH 7.2)(1:3): 0.25 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
SR-1277, CAS 1446715-47-4



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ADDITIONAL INFORMATION

Related Product Information for Tunicamycin 15:1 Mixture biochemical	Tunicamycin 15:1 is a mixture of tunicamycin structural isomers that contain a 15-carbon N-acyl chain with variable branching patterns. The N-acyl chain incorporated into tunicamycins, like tunicamycin 15:1, is derived from the same pool of cellular branched-chain fatty acids (BCFAs) in <i>Streptomyces</i> and directly impacts the biological activity of each individual tunicamycin variant. ^{1,2,3} Purified tunicamycin 15:1 with <i>iso</i> , <i>anteiso</i> , or a mixture of <i>iso</i> and <i>anteiso</i> branching configurations inhibit bacterial phospho-MurNAc-pentapeptide transferase (MraY) with IC ₅₀ values of 0.05, 0.36, and 0.09 μM, respectively. ²
References	1. Bibian M, et, al. Development of highly selective casein kinase 1δ/1ε (CK1δ/ε) inhibitors with potent antiproliferative properties. <i>Bioorg Med Chem Lett</i> . 2013 Aug 1;23(15):4374-80.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/tunicamycin-151-mixture/227369>