

Tunicamycin 17:1 Mixture Biochemical

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CATALOG #
AAA227370

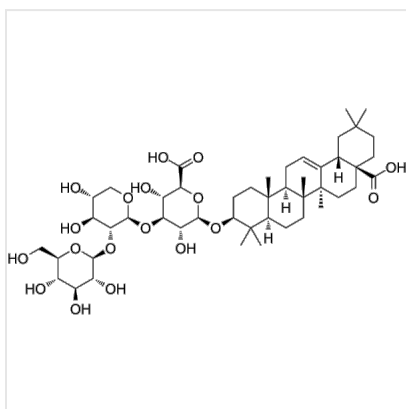
PRODUCT SYNONYMS

Tunicamycin 17:1 Mixture; Tunicamycin 17:1 Mixture biochemical

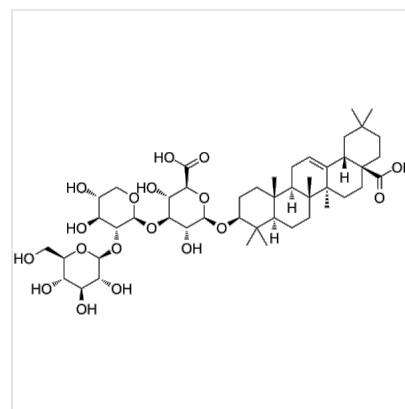
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMSO:PBS (pH 7.2)(1:3): 0.25 mg/mL
	DMF: 20 mg/mL
	DMSO: 20 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

Oleanolic acid-3-O-glucosyl(1-2)xylyl(1-3)glucosiduronic acid, CAS 1447508-78-2


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ADDITIONAL INFORMATION

Related Product Information for Tunicamycin 17:1 Mixture biochemical	Tunicamycin 17:1 is a mixture of tunicamycin structural isomers that contain a 17-carbon N-acyl chain with variable branching patterns. The N-acyl chain incorporated into tunicamycins, like tunicamycin 17:1, 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 17:1 with isooranteisobranched configurations inhibits bacterial phospho-MurNAc-pentapeptide transferase (MraY) with IC ₅₀ values of 0.12 and 0.9 uM, respectively. ²
References	1. N. V. Mironenko, et al. Kinetics of the sorption of triterpene saponin by hypercrosslinked polystyrene. Russian Journal of Physical Chemistry A, 2013:87(3), 368-371.

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://www.aaabiotech.com/biochemical/tunicamycin-171-mixture/227370>