

TunR1 biochemical

TunR1

CATALOG #
AAA227163

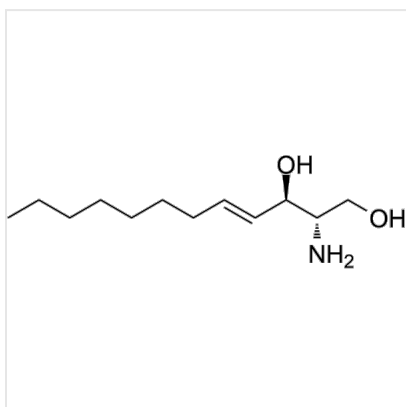
PRODUCT SYNONYMS

TunR1; TunR1 biochemical

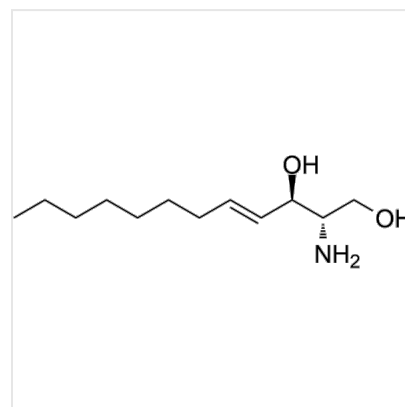
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF: 20 mg/mL
	DMSO: 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
C12-Sphingosine, CAS 128427-86-1



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ADDITIONAL INFORMATION

Related Product Information for TunR1 biochemical	TunR1 is an antibiotic and derivative of tunicamycin. It is active against <i>B. subtilis</i> (MIC = 0.3 ug/ml) and increases the efficacy of the beta-lactam antibiotics oxacillin, methicillin, and penicillin G against <i>B. subtilis</i> when used at a concentration of 0.4 ug/ml. TunR1 (5 ug/ml) is cytotoxic to MDA-MB-231 breast cancer cells and non-cancerous CHO cells. Unlike tunicamycin, TunR1 does not inhibit glycosylation in a protein N-glycosylation assay.
References	1. E C Mandon, et al. Sphingolipid biosynthesis in cultured neurons. Down-regulation of serine palmitoyltransferase by sphingoid bases. <i>Eur J Biochem.</i> 1991 Jun 15;198(3):667-74.

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.

