

TunR2 biochemical

TunR2

CATALOG #
AAA227164

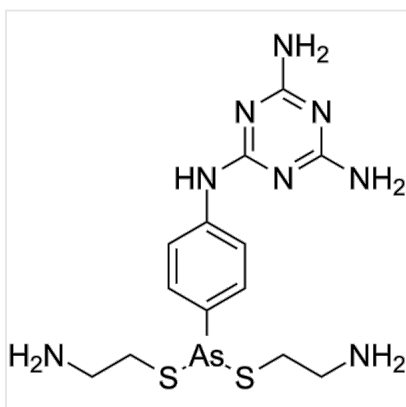
PRODUCT SYNONYMS

TunR2; TunR2 biochemical

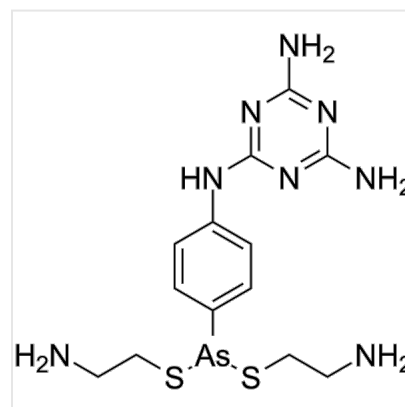
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	<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
Melarsomine, CAS 128470-15-5



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ADDITIONAL INFORMATION

Related Product Information for TunR2 biochemical	TunR2 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. Unlike tunicamycin, TunR2 is non-toxic to <i>S. cerevisiae</i> (MIC = 10 ug/ml) and does not inhibit glycosylation in a protein N-glycosylation assay. TunR2 also has reduced antiproliferative activity against MDA-MB-231 and CHO cells compared with tunicamycin.
References	- Baneth G, et, al. <i>Dirofilaria repens</i> infection in a dog: diagnosis and treatment with melarsomine and doramectin. <i>Vet Parasitol.</i> 2002 Apr 30;105(2):173-8. - Desquesnes M, et, al. An evaluation of melarsomine hydrochloride efficacy for parasitological cure in experimental infection of dairy cattle with <i>Trypanosoma evansi</i> in Thailand. <i>Parasitology.</i> 2011 Aug;138(9):1134-42.

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.