

Pal-KTTKS (acetate) Biochemical | Pal-KTTKS biochemical

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CATALOG #
AAA227235

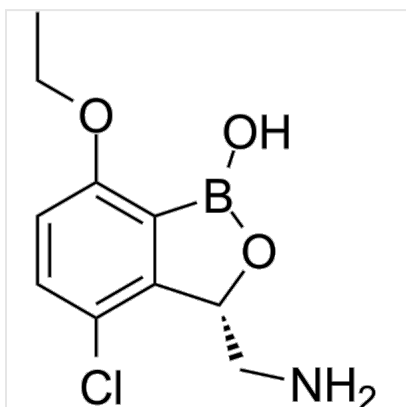
PRODUCT SYNONYMS

Pal-KTTKS (acetate); Pal-KTTKS biochemical

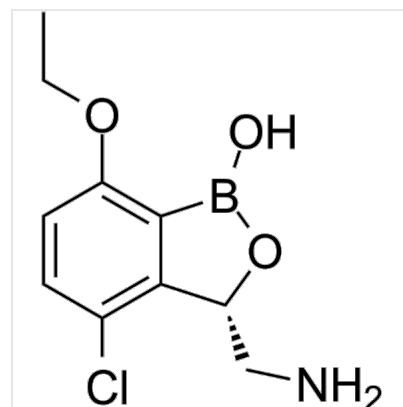
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 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
LeuRS-IN-1, CAS 1364914-72-6



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ADDITIONAL INFORMATION

Related Product Information for Pal-KTTKS biochemical	Pal-KTTKS is a lipidated pentapeptide consisting of a fragment of the type I collagen C-terminal propeptide conjugated to palmitic acid. ¹ It increases collagen production in human corneal and dermal fibroblasts when used at concentrations of 0.002, 0.004, and 0.008 wt%. ² Following topical administration, pal-KTTKS (50 ug/cm ²) is found in the stratum corneum, epidermis, and dermis of isolated hairless mouse skin. ¹ It can self-assemble into flat tapes and extended fibrillar structures. ³ Pal-KTTKS has been detected in anti-wrinkle creams. ⁴
References	- Palencia A, et al. Discovery of Novel Oral Protein Synthesis Inhibitors of Mycobacterium tuberculosis That Target Leucyl-tRNA Synthetase. Antimicrob Agents Chemother. 2016;60(10):6271-6280. Published 2016 Sep 23. - Li X, et al. Discovery of a Potent and Specific M. tuberculosis Leucyl-tRNA Synthetase Inhibitor: (S)-3-(Aminomethyl)-4-chloro-7-(2-hydroxyethoxy)benzo[c][1,2]oxaborol-1(3H)-ol (GSK656). J Med Chem. 2017 Oct 12;60(19):8011-8026.

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.

