

Ledaborbactam etzadroxil Biochemical

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CATALOG #
AAA227952

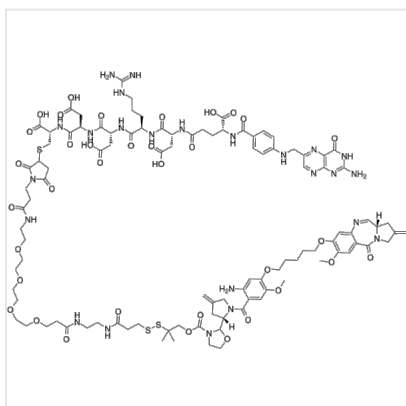
PRODUCT SYNONYMS

Ledaborbactam etzadroxil; Ledaborbactam etzadroxil biochemical

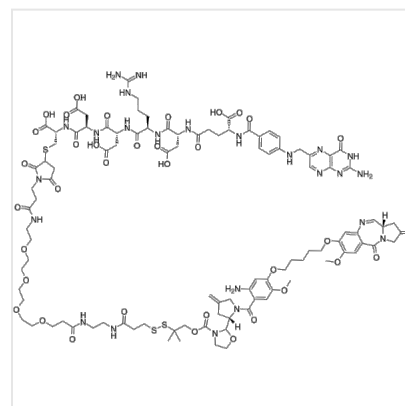
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1842399-68-1
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Upon dosing the Ledaborbactam etzadroxil (VNRX-7145) in mice, dogs, and monkeys, Ledaborbactam etzadroxil (5-10 mg/kg) demonstrates the most consistent oral bioavailability across species (F = 61-82%)[1]. In intestinal S9, Ledaborbactam etzadroxil is rapidly cleaved with short half-lives in all species with the exception of beagle dogs. The half-life in human plasma is short at about 11 min, which is closer to what was observed in the rodent species compared to the longer half-lives in dogs (43.9 min) and monkeys (22.0 min)[1]. In vivo efficacy is demonstrated in a lethal murine septicemia model by dosing Ledaborbactam etzadroxil (orally) with Cefitibuten. The ED 50 value of 12.9 mg/kg[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
EC2629, CAS 2245361-43-5



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ADDITIONAL INFORMATION

Related Product Information for Ledaborbactam etzadroxil biochemical	Ledaborbactam etzadroxil (VNRX-7145) is an orally active Ambler class A, C, and D beta-lactamase enzymes inhibitor.
References	1. Reddy JA, et al. Pre-clinical studies of EC2629, a highly potent folate- receptor-targeted DNA crosslinking agent. Sci Rep. 2020 Jul 29;10(1):12772.

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/ledaborbactam-etzadroxil/227952>