

YNT-185 biochemical

YNT-185

CATALOG #
AAA227914

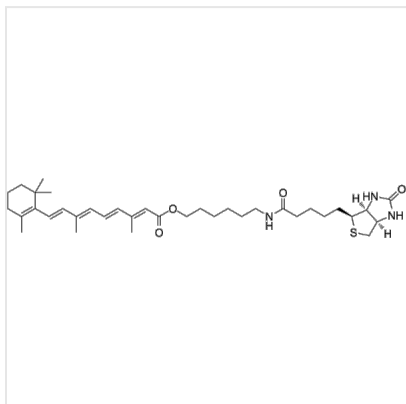
PRODUCT SYNONYMS

YNT-185; Biotin-ATRA-conjugate; YNT-185 biochemical

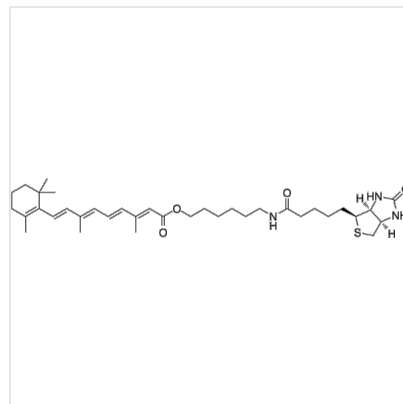
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1804978-81-1
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	YNT-185 (20-40 mg/kg; i.p.) increases wakefulness in mice[2]. YNT-185 (300 nmol; i.c.v.) significantly increases wake time for 3 hours in a dose-dependent manner, accompanied by a decrease in NREM sleep time, in wild-type mice but not in OX2RKO mice[2]. Animal Model: Male wild-type C57BL/6J mice[2]. Dosage: 20, 40 mg/kg. Administration: I.p. Result: Wake time was also significantly increased.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
ATRA-biotin, CAS 2226143-93-5



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ADDITIONAL INFORMATION

Related Product Information for YNT-185 biochemical	YNT-185 is a nonpeptide, selective orexin type-2 receptor (OX2R) agonist, with EC 50 s of 0.028 and 2.75 uM for OX2R and OX1R, respectively. YNT-185 ameliorates narcolepsy-cataplexy symptoms in mouse models.
References	1. Segelken J, et, al. Synthesis and Evaluation of Two Novel All -trans-Retinoic Acid Conjugates: Biocompatible and Functional Tools for Retina Research. ACS Chem Neurosci. 2018 Apr 18;9(4):858-867.

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.