

ONO-8430506 Biochemical

ONO-8430506

CATALOG #
AAA227615

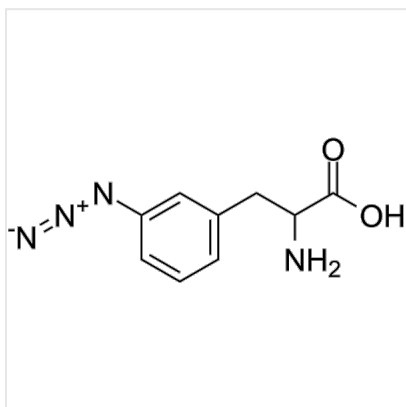
PRODUCT SYNONYMS

ONO-8430506; ONO-8430506 biochemical

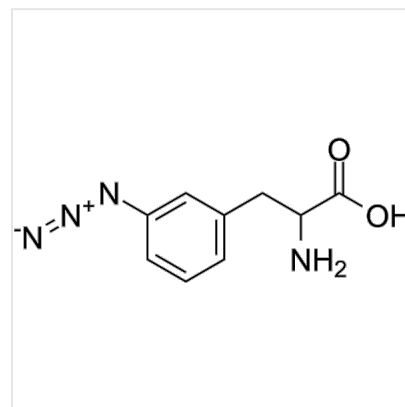
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1354805-08-5
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	ONO-8430506 (10 mg/kg/day; gavage; for 21 days) slows initial tumor growth and limits lung metastasis[1]. ONO-8430506 decreases the initial phase of breast tumor growth and subsequent lung metastases by ~60% in a syngeneic orthotopic mouse model[1]. ONO-8430506 (oral; 30 mg/kg) demonstrates good pharmacokinetics and persistently inhibits plasma lysophosphatidic acid formation in rats[2]. ONO-8430506 (30 or 100 mg/kg) enhances the antitumor effect of Paclitaxel in a breast cancer model[3]. ONO-8430506 exhibits moderate oral bioavailability (rat 51.6%, dog 71.1%, and monkey 30.8%) and C max (rat 261, dog 1670, and monkey 63 ng/mL) following oral administration (rat 1, dog 1, and monkey 1 mg/kg)[3]. ONO-8430506 exhibits terminal elimination half-lives (rat 3.4, dog 8.9, and monkey 7.9 h) due to low plasma clearance (8.2, 4.7, and 5.8 mL/min/kg respectively) combined with large volumes of distribution (1474, 1863, and 2275 mL/kg respectively) following intravenous administration (rat 0.3, dog 0.3, and monkey 0.3mg/kg)[3]. Animal Model: Female BALB/c mice, 8-10 wk old (BALB/cAnNCrI)[1]. Dosage: 10 mg/kg. Administration: Gaviged daily for 21 days; 10 uL/g. Result: Tumor growth in ONO-8430506-treated mice caught up to the vehicle group by day 13; thereafter, primary tumor size was not significantly different from the vehicle-treated mice. However, treatment with ONO-8430506 decreased the numbers of metastatic nodules in the lungs at day 21 by ~60%.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
(Rac)-Azide-phenylalanine, CAS 1822572-56-4



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ADDITIONAL INFORMATION

Related Product Information for ONO-8430506 biochemical	ONO-8430506 is an orally bioavailable and potent autotaxin (ATX)/ENPP2 inhibitor with the IC 90 of 100 nM for ATX activity in mouse plasma.
References	1. Wang YS, et al. Genetic incorporation of twelve meta-substituted phenylalanine derivatives using a single pyrrolysyl-tRNA synthetase mutant. ACS Chem Biol. 2013 Feb 15;8(2):405-15.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/ono-8430506/227615>