

PI3Kdelta-IN-8 biochemical

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CATALOG #
AAA228122

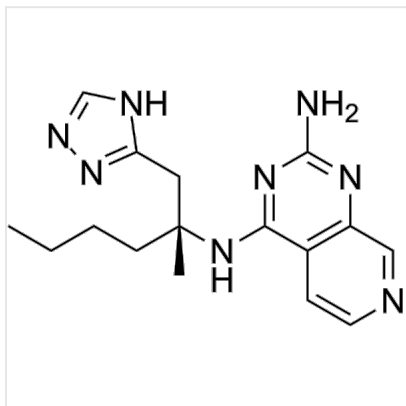
PRODUCT SYNONYMS

PI3Kdelta-IN-8; PI3Kdelta-IN-8 biochemical

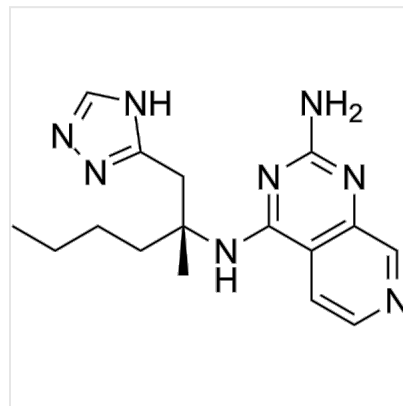
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2101518-75-4
Targets&IC50	PI3Kgamma:17.9 nM (IC50), PI3Kalpha:377.2 nM (IC50), PI3Kbeta:241.6 nM (IC50), PI3Kdelta:3.3 nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	PI3Kdelta-IN-8 (1-30 mg/kg; p.o. once daily for 24 d) significantly reduces the tumor volume and tumor weight in a dose-dependent manner in mice[1]. PI3Kdelta-IN-8 (1 mg/kg; i.v.) displays a suitable half-life (1 h), C max (2.3 uM) and low clearance (5.6 mL/min/kg) in mice[1]. PI3Kdelta-IN-8 (10 mg/kg; p.o.) displays moderate oral bioavailability (39%), C max (7.5 uM), and AUC last (22 uM/h) in mice[1]. Animal Model: Female NOD scid mice were injected OCI-Ly10 cells[1]. Dosage: 1, 3, 10, 30 mg/kg. Administration: P.o. once daily for 24 days. Result: Reduced the tumor volume, with an ED 50 of 6.47 mg/kg. Tumor growth inhibition of 81.95% was seen with a highly significant reduction in both tumor volume and tumor weight. Animal Model: Male BALB/c mice[1]. Dosage: 1 mg/kg for i.v.; 10 mg/kg for p.o. (Pharmacokinetic Analysis). Administration: Intravenous administration and oral administration. Result: I.v.: t 1/2 =1 h, C max =2.3 uM, CL=5.6 mL/min/kg. P.o.: F=39%, C max =7.5 uM, AUC last =22uM/h.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
TLR8 agonist 2, CAS 2412937-64-3



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ADDITIONAL INFORMATION

Related Product Information for PI3Kdelta-IN-8 biochemical

PI3Kdelta-IN-8 is a potent, selective and orally active PI3Kdelta inhibitor, with an IC 50 of 3.3 nM. PI3Kdelta-IN-8 shows selectivity for PI3Kdelta over PI3Kalpha, PI3Kbeta, and PI3Kgamma (IC 50 =377.2, 241.6, 17.9 nM, respectively). PI3Kdelta-IN-8 has anti-tumor activity.

References

1. Zhe Cai, et al. Tlr8 agonist. WO2020057604A1.

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/pi3kdelta-in-8/228122>