

LYP-IN-1 biochemical

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CATALOG #
AAA227657

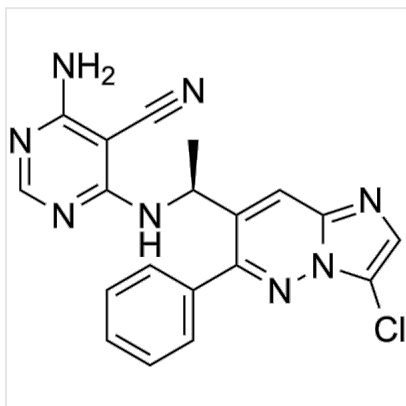
PRODUCT SYNONYMS

LYP-IN-1; HMPL-689; LYP-IN-1 biochemical

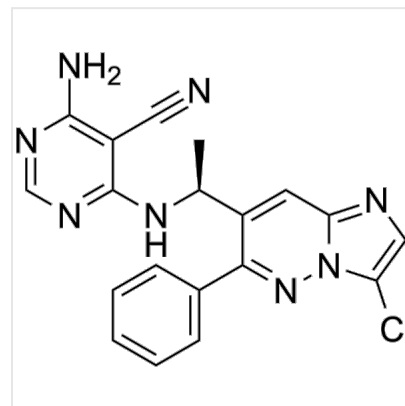
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1404436-51-6
Targets&IC50	LYP:0.259 uM (IC50), LYP:110 nM (Ki)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	LYP-IN-1 has inhibitory activity toward a panel of mammalian PTPs including SHP1, SHP2, PTP-Meg2, FAP1 and PTP-PEST, with IC 50 values of 5 uM, 2.5 uM, 0.59 uM, 0.39 uM, and 0.8 uM, respectively[1]. LYP-IN-1 (15 uM) increases both basal and TCR-stimulated phosphorylation of ZAP-70 on Tyr319 in JTAg cells[1].LYP-IN-1 (15 uM) treatment of mouse thymocytes effectively causes an increase in the activation of double-positive (DP) thymocytes, it increased surface expression of CD69 (a marker of T cell activation) and Nur77[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Amdizalisib, CAS 1894229-05-0



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ADDITIONAL INFORMATION

Related Product Information for LYP-IN-1 biochemical	LYP-IN-1 is a potent, selective and specific LYP inhibitor with a K i and an IC 50 of 110 nM and 0.259 uM, respectively. LYP-IN-1 also has selectivity for a large panel of PTPs, such as SHP1 (IC 50 =5 uM) and SHP2 (IC 50 =2.5 uM). LYP-IN-1 exhibits highly efficacious cellular activity in T- and mast cells. LYP-IN-1 can be used for the study of autoimmune disorders.
References	1. Su, Wei-Guo, et al.Preparation of imidazopyridazine compounds as PI3K inhibitors and their use.WO2016045591A1.

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/lyp-in-1/227657>