

DDR1-IN-6 biochemical

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CATALOG #
AAA228424

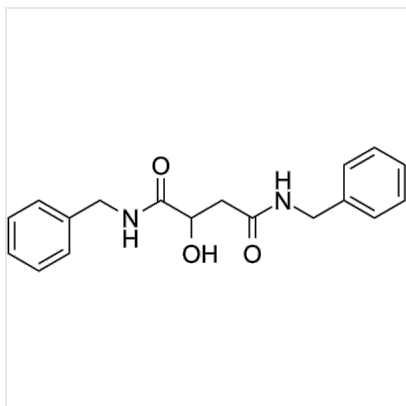
PRODUCT SYNONYMS

DDR1-IN-6; DDR1-IN-6 biochemical

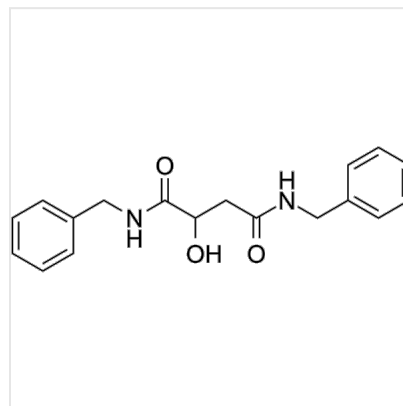
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2416021-47-9
Targets&IC50	DDR1:9.72 nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	DDR1-IN-6 (compound 1; for 24 hours) inhibits collagen production in human hepatic stellate cell LX-2 (IC 50 =13 nM)[1]. DDR1-IN-6 (72 hours) has cytotoxicity in LX-2 cells (CC 50 =3 uM)[1]. DDR1-IN-6 (0-30 uM) has anti-proliferation effects on primary tumor cells freshly isolated from PC-07-0024 (IC 50 =5.7 uM of 3 days; IC 50 =2.65 uM of 6 days) and LU-01-0523 derived xenograft (PDX) tumor model (IC 50 30 uM of 3 days; IC 50 30 uM of 6 days)[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Anticancer agent 13, CAS 38116-01-7



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ADDITIONAL INFORMATION

Related Product Information for DDR1-IN-6 biochemical	DDR1-IN-6 is a selective Discoidin Domain Receptor family, member 1 (DDR1) inhibitor with an IC 50 of 9.72 nM. DDR1-IN-6 inhibits auto-phosphorylation DDR1b (Y513) with an IC 50 of 9.7 nM. DDR1-IN-6 has anti-cancer activity.
References	1. Ali MA, et al. Direct Synthesis of Diamides from Dicarboxylic Acids with Amines Using Nb2O5 as a Lewis Acid Catalyst and Molecular Docking Studies as Anticancer Agents. ACS Omega. 2021 Sep 15;6(38):25002-25009.

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/ddr1-in-6/228424>