

DDR1-IN-4 biochemical

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CATALOG #
AAA228136

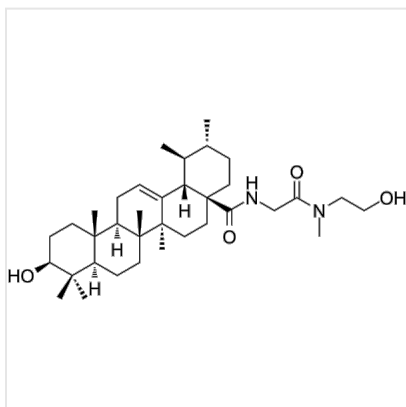
PRODUCT SYNONYMS

DDR1-IN-4; DDR1-IN-4 biochemical

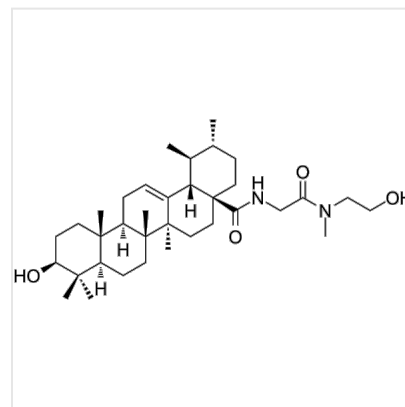
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2125676-13-1
Targets&IC50	DDR2:1900 nM (IC50), DDR1:29 nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	DDR1-IN-4 (Compound 2.45, ip, 90 mg/kg) preserves renal function and reduces tissue damage in Col4a3 ^{-/-} mice (the preclinical mouse model of Alport syndrome) when employing a therapeutic dosing regime, indicating the real therapeutic value of selectively inhibiting DDR1 phosphorylation in vivo[1]. Animal Model: Col4a3 ^{-/-} mice, a mouse model phenocopying Alport syndrome[1]. Dosage: 90 mg/kg. Administration: Injected intraperitoneally daily. Result: Resulted in a significant reduction of fibrosis evaluated by Picro Sirius Red, smooth muscle actin staining, and collagen I accumulation. Significantly reduces the levels of pDDR1 in Col4a3 knockout mice compared to controls.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
SENP1-IN-1, CAS 2416910-69-3



Structure
SENP1-IN-1, CAS 2416910-69-3

ADDITIONAL INFORMATION

Related Product Information for DDR1-IN-4 biochemical	DDR1-IN-4 (Compound 2.45) is a selective and potent Discoidin Domain Receptor 1 (DDR1) autophosphorylation inhibitor, with IC 50 values of 29 nM and 1.9 uM for DDR1 and DDR2, respectively.
References	1. Li, Yiliang, et al. Preparation of ursolic acid derivatives useful as SENP1 inhibitors and tumor radiosensitizer. CN110627860A.

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-4/228136>