

Antitumor agent-23 Biochemical

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CATALOG #
AAA228336

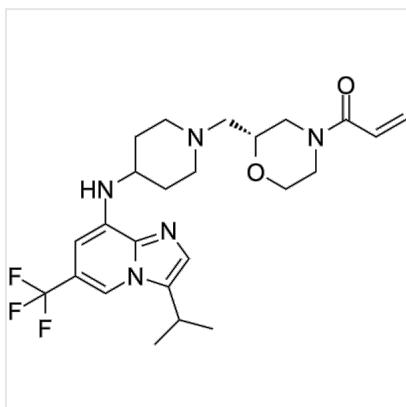
PRODUCT SYNONYMS

Antitumor agent-23; Antitumor agent-23 biochemical

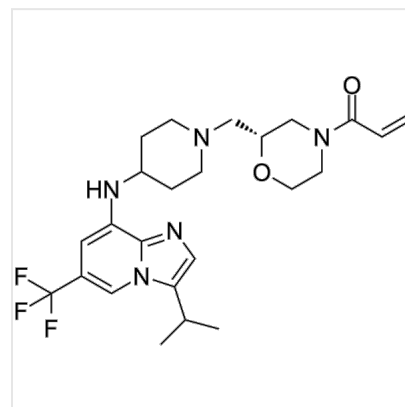
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2355185-12-3
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Antitumor agent-23 (0.001-100 uM; 5 days) inhibits lymphoma cells proliferation[1]. Antitumor agent-23 (2-70 nM; 72 hours) induces p53 protein expression and p53 lysine 382 acetylation (K382Ac-p53) in HPV-positive cervical cancer cell[1]. Cell Proliferation Assay[1]Cell Line: Lymphoma cell line GRANTA-519, KARPAS-422,KARPAS-299, RAMOS, DAUDI, RAJI Concentration: 0.001, 0.01, 0.1, 1, 10, 100 uM Incubation Time: 5 days. Result: The GI 50 s of 38, 48, 5, 27, 80, 28 nM for GRANTA-519, KARPAS-422,KARPAS-299, RAMOS, DAUDI, RAJI cells, respectively. Western Blot Analysis[1]Cell Line: HPV16-positive cervical cancer cell line (CaSki cell) Concentration: 2, 7, 20, and 70 nM Incubation Time: 72 hours. Result: Induction of p53 protein above baseline was evident at 7 nM already, acetylation of p53 lysine 382 was detectable at 20 nM.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
CDK7/9-IN-1, CAS 2747919-19-1



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ADDITIONAL INFORMATION

Related Product Information for Antitumor agent-23 biochemical	Antitumor agent-23 is a potent anti-cancer agent with GI 50 s of 38, 48, 5, 27, 80, and 28 nM for lymphoma cell line GRANTA-519, KARPAS-422, KARPAS-299, RAMOS, DAUDI, and RAJI, respectively. Antitumoral activity.
References	1. Maria Carmen FERNANDEZ FIGUEROA, et al. Compounds useful for inhibiting cdk7. WO2021242602 A1.

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://stage.aaabiotech.com/biochemical/antitumor-agent-23/228336>