

Samuraciclib trihydrochloride Biochemical

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CATALOG #
AAA227058

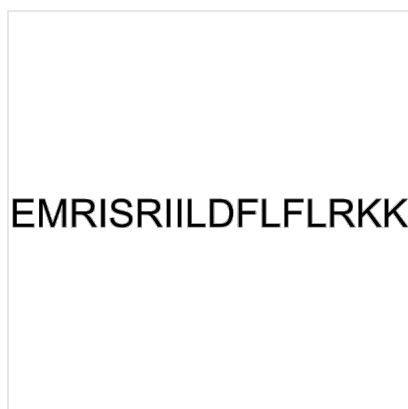
PRODUCT SYNONYMS

Samuraciclib trihydrochloride; Samuraciclib trihydrochloride biochemical

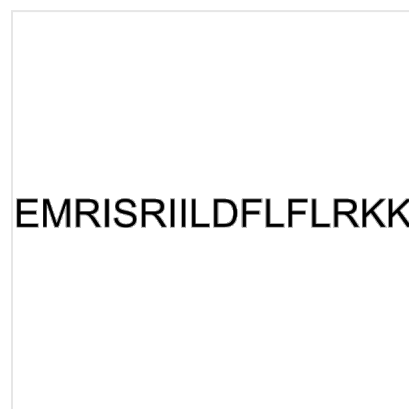
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Samuraciclib trihydrochloride (ICEC0942; 100 mg/kg; oral gavage; daily; for 14 days; female nu/nu-BALB/c athymic nude mice) treatment inhibits tumor growth by 60% at day 14, and is accompanied by highly significant reductions in PolII Ser2 and Ser5 phosphorylation in PBMCs and in tumors[1].The combination of Samuraciclib trihydrochloride (ICEC0942) and ICI 47699 treatment shows complete growth arrest of estrogen receptor (ER)-positive tumor xenografts[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Competence-Stimulating Peptide-2 (CSP-2), CAS 1174553-84-4



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ADDITIONAL INFORMATION

Related Product Information for Samuraciclib trihydrochloride biochemical	Samuraciclib (CT7001) trihydrochloride is a potent, selective, ATP-competitive and orally active CDK7 inhibitor, with an IC50 of 41 nM. Samuraciclib trihydrochloride displays 45-, 15-, 230- and 30-fold selectivity over CDK1, CDK2 (IC50 of 578 nM), CDK5 and CDK9, respectively. Samuraciclib trihydrochloride inhibits the growth of breast cancer cell lines with GI50 values between 0.2-0.3 uM. Samuraciclib trihydrochloride has anti-tumor effects[1][2].
References	1. Yifang Yang, et al. Structural Characterization of Competence-Stimulating Peptide Analogues Reveals Key Features for ComD1 and ComD2 Receptor Binding in Streptococcus pneumonia. Biochemistry. 2018 Sep 11;57(36):5359-5369.

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/samuraciclib-trihydrochloride/227058>