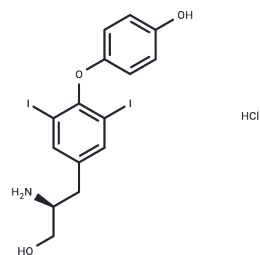


T2AA hydrochloride

Chemical Properties

CAS No. : 2138331-07-2
 Formula: C₁₅H₁₅I₂NO₃?HCl
 Molecular Weight: 547.6
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|----------------------------|---|
| Description | T2AA, a proliferating cell nuclear antigen (PCNA) inhibitor, disrupts protein-protein interactions between PCNA and both a PIP-box-containing peptide (IC ₅₀ = 1 μM) and full-length p21, reducing cellular colocalization of PCNA with DNA polymerase δ. This compound effectively inhibits DNA replication and cell proliferation in U2OS and HeLa cells in a concentration-dependent manner, additionally inducing S phase cell cycle arrest at a 20 μM concentration. Furthermore, T2AA enhances DNA double strand break formation alongside cisplatin in a neutral comet assay and augments cisplatin-induced reductions in clonogenic survival in HeLa and U2OS cells. |
| Targets(IC ₅₀) | Others,DNA/RNA Synthesis |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8262 mL | 9.1308 mL | 18.2615 mL |
| 5 mM | 0.3652 mL | 1.8262 mL | 3.6523 mL |
| 10 mM | 0.1826 mL | 0.9131 mL | 1.8262 mL |
| 50 mM | 0.0365 mL | 0.1826 mL | 0.3652 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481