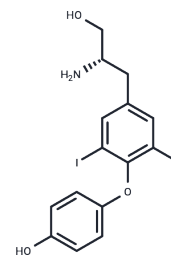


T2AA

## Chemical Properties

CAS No. : 1380782-27-3  
 Formula: C<sub>15</sub>H<sub>15</sub>I<sub>2</sub>NO<sub>3</sub>  
 Molecular Weight: 511.09  
 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 (4-[4-[(2S)-2-amino-3-hydroxypropyl]-2,6-diiodophenoxy]phenol) is an inhibitor of proliferating cell nuclear antigen (PCNA) with IC <sub>50</sub> of 1 μM for PCNA/PIP-box peptide interaction. T2AA suppresses cancer cell growth and causes DNA replication stress by stalling DNA replication forks and inhibiting PCNA interaction with DNA polymerase δ.
Targets(IC <sub>50</sub> )	DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 8 mg/mL (15.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9566 mL	9.783 mL	19.566 mL
5 mM	0.3913 mL	1.9566 mL	3.9132 mL
10 mM	0.1957 mL	0.9783 mL	1.9566 mL
50 mM	0.0391 mL	0.1957 mL	0.3913 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.

## Reference

Punchihewa C, et al. Identification of small molecule proliferating cell nuclear antigen (PCNA) inhibitor that disrupts interactions with PIP-box proteins and inhibits DNA replication. J Biol Chem. 2012 Apr 20;287(17):14289-300.

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