
Product Data Sheet

Product Name: T2AA
Cat. No.: GC50074

Chemical Properties

Cas. No. 1380782-27-3

SMILES IC1=C(OC2=CC=C(O)C=C2)C(I)=CC(C[C@H](N)CO)=C1

Formula $C_{15}H_{15}I_2NO_3$ M.Wt 511.09

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Proliferating cell nuclear antigen (PCNA) inhibitor; inhibits PCNA/PIP-box peptide interaction (IC₅₀ ~1 μM). Causes DNA replication stress by stalling DNA replication forks. Inhibits PCNA interaction with DNA polymerase δ and arrests cell growth in S-phase. Suppresses cancer cell growth.

Punchihewa et al (2012) Identification of small molecule proliferating cell nuclear antigen (PCNA) inhibitor that disrupts interactions with PIP-box proteins and inhibits DNA replication. J.Biol.Chem. 287 14289 PMID:22383522

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA