

LNT 1, FEN1 inhibitor

Catalog	Unit
TBI4036-5MG	5 mg
TBI4036-25MG	25 mg

Product Details

Formal Name: 1-(2,3-Dihydro-1,4-benzodioxin-3-ylmethyl)-3-hydroxythieno[3,2-d]pyrimidine-2,4-dione

Alternate Names: FEN1-IN-1

Molecular Formula: C₁₅H₁₂N₂O₅S

Formula Weight: 332.30

CAS Number: 824983-91-7

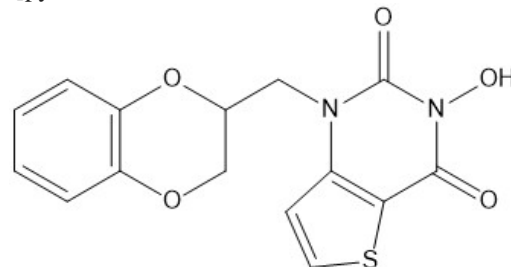
Purity: >97%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 15 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

FEN1 inhibitor

Functions

LNT 1 (824983-91-7) is a potent (IC₅₀ = 11 nM) inhibitor of flap endonuclease 1 (FEN1). It showed similar potency in inhibiting exonuclease 1 (EXO1). Induces a DNA damage response and ultimately cell death. FEN1 inhibitors have therapeutic potential for the treatment of cancers that are defective for homologous repair and other DNA repair and DNA damage checkpoint pathways.

Application Procedures

First dissolved in DMSO (up to at least 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.