

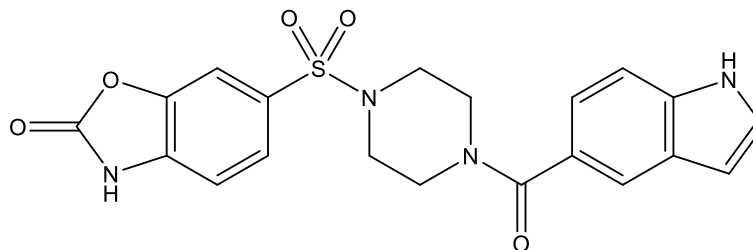
Catalog # 10-4624

TH1760

CAS# 2567914-01-4

6-[4-(1H-Indole-5-carbonyl)piperazin-1-yl]sulfonyl-3H-1,3-benzoxazol-2-one

Lot # FBA7189



TH1760 is a potent inhibitor ($IC_{50} = 25$ nM dGTP hydrolysis; 57 nM 6-thio-dGTP hydrolysis) of the NUDIX hydrolase NUDT15, an important enzyme involved in the hydrolysis thiopurine chemotherapeutics. It was selective against other human NUDIX proteins as well as a panel of 44 kinases and the Eurofins Cerep SafetyScreen44 panel. It was active in AML cell lines HL-60 and NB4 as well as HCT116 3-6 colorectal carcinoma cells and 697 B-ALL cells.

1) Zhang *et al.* (2020), *Development of a chemical probe against NUDT15*; Nat. Chem. Biol. **16** 1120

PHYSICAL DATA

Molecular Weight:	426.45
Molecular Formula:	C ₂₀ H ₁₈ N ₄ O ₅ S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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