

---

## TG101209

产品编号: D51665

CAS: 936091-14-4

分子式: C<sub>26</sub>H<sub>35</sub>N<sub>7</sub>O<sub>2</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>26</sub>H<sub>35</sub>N<sub>7</sub>O<sub>2</sub>S/c1-19-18-27-25(29-20-9-11-22(12-10-20)33-15-13-32(5)14-16-33)30-24(19)28-21-7-6-8-23(17-21)36(34,35)31-26(2,3)4/h6-12,17-18,31H,13-16H<sub>2</sub>,1-5H<sub>3</sub>, (H<sub>2</sub>,27,28,29,30)

InChi Key: JVDOKQYTTYUYDV-UHFFFAOYSA-N

Smiles: CN1CCN(CC1)C1C=CC(=CC=1)NC1N=C(NC2C=C(C=CC=2)S(=O)(=O)NC(C)(C)C(C)=CN=1

外观: 固体粉末

作用通路: Apoptosis

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: TG101209 is a novel and potent JAK2 inhibitor, which induced dose- and time-dependent cytotoxicity in a variety of multiple myeloma (MM) cell lines. The induction of cytotoxicity was associated with inhibition of cell cycle progression and induction of apoptosis in myeloma cell lines and patient-derived plasma cells. Exploring the mechanism of action of TG101209 indicated downregulation of pJak2, pStat3, and Bcl-xl levels with upregulation of pErk and pAkt levels indicating cross talk between signaling pathways. TG101209, when used in combination with the PI3K inhibitor LY294002, demonstrated synergistic cytotoxicity against myeloma cells.