

Product Data Sheet

Product Name: TNG-462

Cat. No.: GC73681

Chemical Properties

Cas. No. 2760483-96-1

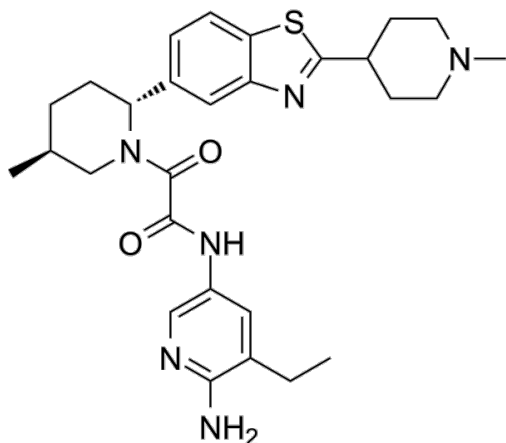
Formula $C_{28}H_{36}N_6O_2S$ M.Wt 520.69

Solubility DMSO : 100 mg/mL (192.05 mM; Storage -20°C
Need ultrasonic)

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

TNG-462 is an orally active and selective PRMT5 inhibitor with anti-tumor activity against methylthioadenosine phosphorylase (MTAP) deficiency and/or methylthioadenosine (MTA) accumulation

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

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cancers.

TNG-462 (0-1 μ M) exhibits selectivity and inhibition of cell viability in MTAP deficient tumor cells (NSCLC, PDAC, bladder, hematological malignancies), with IC₅₀ values less than 1 μ M[1].

TNG-462 (40, 100 mg/kg; once daily (100 mg/kg) or b.i.d (40 mg/kg); 21 days; p.o.) has anti-tumor activity in a xenograft mouse model derived from MTAP deficient cell lines[1]. TNG-462 (30 mg/kg; twice daily; 5 weeks; p.o.) in combination with osimertinib (EGFR inhibitor) (1 mg/kg; once daily; 5 weeks) has synergistic anti-tumor activity in MTAP-deficient cell line-derived xenograft mouse model[1].

References:

- [1]. Briggs K, et al. TNG462 is a potential best-in-class MTA-cooperative PRMT5 inhibitor for the treatment of MTAP-deleted solid tumors[J]. Cancer Research, 2023, 83(7_Supplement): 4970-4970.
- [2]. Kevin M Cottrell, et al. Piperidin-1-yl-n-pyridine-3-yl-2-oxoacetamide derivatives useful for the treatment of mtap-deficient and/or mt a-accumulating cancers. Patent WO2022026892A1.

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