

Product Data Sheet

Product Name: GNE-7883

Cat. No.: GC73127

Chemical Properties

Cas. No. 2648450-42-2

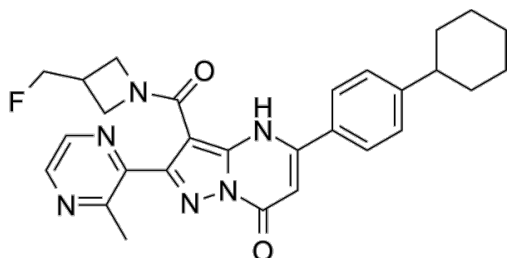
Formula $C_{28}H_{29}FN_6O_2$ M.Wt 500.57

Solubility DMSO : 50 mg/mL (99.89 mM; Need ultrasonic) Storage $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

GNE-7883 is a pan-TEAD inhibitor that blocks the association of YAP/TAZ with TEAD. GNE-7883

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

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effectively reduces chromatin accessibility at TEAD motifs, inhibits cell proliferation in multiple cell line models, and achieves strong anti-tumor efficacy in vivo. In addition, GNE-7883 effectively overcomes intrinsic and acquired resistance to KRAS (Kirsten rat sarcoma viral oncogene homolog) G12C inhibitors in multiple preclinical models by inhibiting YAP/TAZ activation.

GNE-7883 exhibits strong dose-dependent antiproliferative effects in both OVCAR-8 and NCI-H226 cells, with EC50 values of 115 nM and 333 nM, respectively[3].

GNE-7883 (100 and 250 mg/kg; s.c.; once daily for 4 days) induces tumor growth arrest in NCI-H226 xenograft mice and tumor regression in MSTO-211H xenograft mice[1].

References:

- [1]. Hagenbeek TJ, et al. An allosteric pan-TEAD inhibitor blocks oncogenic YAP/TAZ signaling and overcomes KRAS G12C inhibitor resistance. Nat Cancer. 2023 Jun;4(6):812-828.
- [2]. McGee L E. YAP Signaling Promotes Resistance to MEK Inhibition in NF1-Related MPNSTs[M]. Van Andel Research Institute, 2023.
- [3]. Barry E R, et al. Recent therapeutic approaches to modulate the Hippo pathway in oncology and regenerative medicine[J]. Cells, 2021, 10(10): 2715.

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