

Product Data Sheet

Product Name: FQI2-34
Cat. No.: GC81641

Chemical Properties

Cas. No. 2762499-38-5

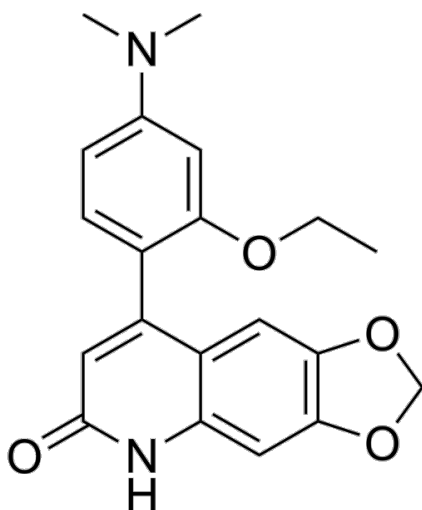
Formula $C_{20}H_{20}N_2O_4$ M.Wt 352.38

Solubility DMSO: 10 mg/mL (28.38 mM; Need ultrasonic and warming) Storage Store at -20°C

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

FQI2-34 is an orally active TFCP2 (LSF) small molecule allosteric inhibitor. FQI2-34 directly binds to the LSF protein ($K_i = 63$ nM), inhibits the oligomerization of LSF, efficiently suppresses the transcriptional activity of LSF ($IC_{50} = 48$ nM), and interferes with the SF-DNA interaction. FQI2-34 exhibits significant anti-proliferative activity against Huh7 cells and induces tumor regression in mouse models. FQI2-34 can be used for research on liver cancer [1].

References:

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

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[1]. Pokharel N, et al. Preclinical Lead Optimization of Small Molecule Inhibitors of TFCP2 (LSF) for the Treatment of Liver Cancer. J Med Chem. 2026 Jan 8;69(1):574-592.

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