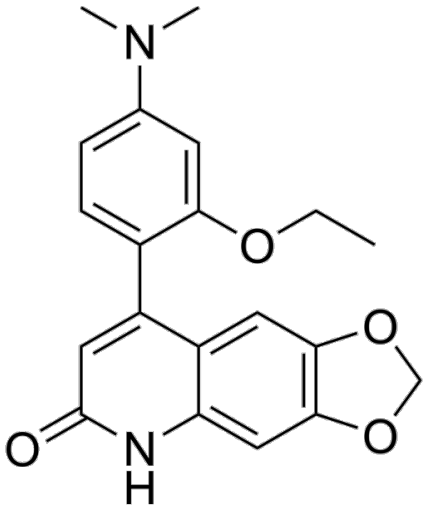
Product Data Sheet

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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