

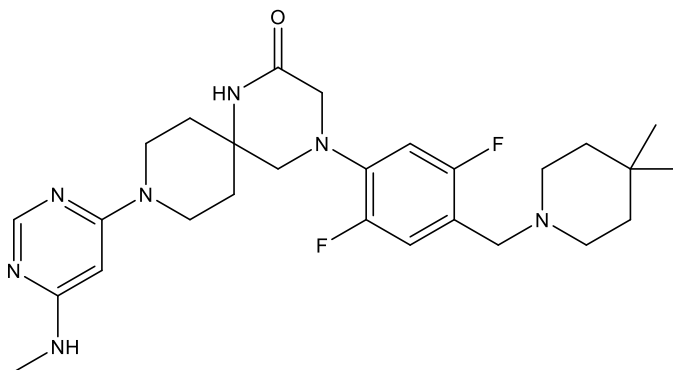
Catalog # 10-4849

UZH2

CAS# 2756566-45-5

4-[4-[(4,4-Dimethylpiperidin-1-yl)methyl]-2,5-difluorophenyl]-9-[6-(methylamino)pyrimidin-4-yl]-1,4,9-triazaspiro[5.5]undecane-2-one

Lot # FBA9001



UZH2 is a potent ($IC_{50} = 5$ nM) and selective (against METTL1 and METTL16) inhibitor of the RNA methyltransferase METTL3, a key component of the writer complex targeting N⁶-methyladenosine (m⁶A), the most common RNA modification. It was able to impair cell growth ($GI_{50} = 12$ μ M) in MOLM-13 cancer cells (AML).

- 1) Dolbois, *et al.* (2021), *1,4,9-Triazaspiro[5.5]undecane-2-one Derivatives as Potent and Selective METTL3 Inhibitors*; J. Med. Chem., **64** 12738

PHYSICAL DATA

Molecular Weight: 513.64
Molecular Formula: C₂₇H₃₇F₂N₇O
Purity: >98% by HPLC
NMR: Conforms
Solubility: DMSO (>25 mg/ml)
Physical Appearance: White to off-white solid
Storage and Stability: Store as supplied desiccated at -20°C for up to 2 years from the date of purchase.
Solutions in DMSO may be stored at -20°C for up to 3 months.

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