

Product Data Sheet

Product Name: ZMZ-1220

Cat. No.: GC73630

Chemical Properties

Cas. No.

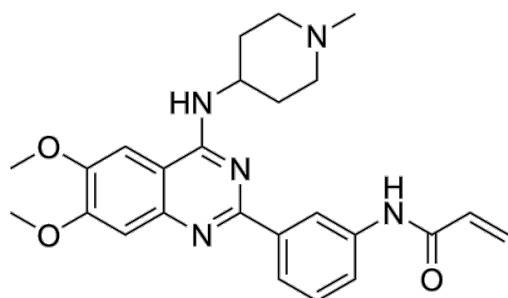
Formula $C_{25}H_{29}N_5O_3$ M.Wt 447.53

Solubility DMSO : 100 mg/mL (223.45 mM; Storage $-20^{\circ}C$
Need ultrasonic)

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

ZMZ-1220 is a histone lysine methyltransferase G9a/GLP covalent inhibitor with IC₅₀s of 458 nM and 924 nM, respectively. ZMZ-1220 inhibits H3K9me₂ in cells and significantly induces apoptosis of triple-negative breast cancer (TNBC) cells and blocks the cell cycle in the G₂/M phase.

References:

[1]. Qiangsheng Zhang, et al. Discovery of novel G9a/GLP covalent inhibitors for the treatment of triple-negative breast cancer. Eur J Med Chem. 2023 Sep 28;261:115841.

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

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