

Product Data Sheet

Product Name: MRTX9768

Cat. No.: GC62715

Chemical Properties

Cas. No. 2629314-68-5

Formula $C_{24}H_{17}FN_6O$

M.Wt 424.43

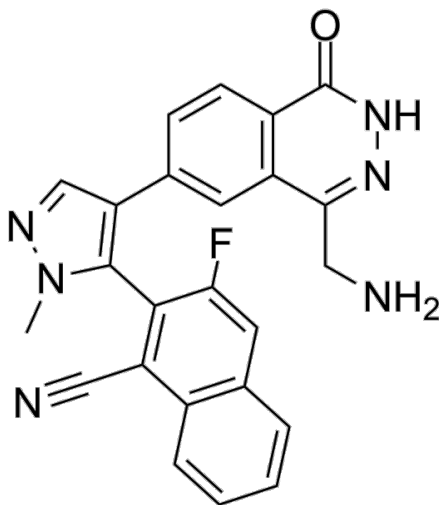
Solubility DMSO : 30 mg/mL (70.68 mM;
ultrasonic and warming and heat to
60°C)

Storage -20°C, protect from light

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

MRTX9768 is a potent, orally active PRMT5 inhibitor. MRTX9768 is a synthetic lethal-based inhibitor designed to bind the PRMT5-MTA complex and selectively target MTAP/CDKN2A-deleted tumors[1].

MRTX9768 inhibits SDMA and cell proliferation in HCT116 MTAP-del cells (SDMA IC₅₀ 3 nM; prolif. IC₅₀ 11 nM) with marked selectivity over HCT116 MTAP-WT cells (SDMA IC₅₀ 544 nM; prolif. IC₅₀ 861 nM)[1].

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

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In xenograft studies, oral administration of MRTX9768 demonstrates dose-dependent inhibition of SDMA in MTAP-del tumors[1].

[1]. Christopher R. et al. Fragment based discovery of MRTX9768, a synthetic lethal-based inhibitor designed to bind the PRMT5-MTA complex and selectively target MTAP/CDKN2A-deleted tumors [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2021; 2021 Apr 10-15 and May 17-21. Philadelphia (PA): AACR; Cancer Res 2021;81(13_Suppl):Abstract nr LB003.

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