
Product Data Sheet

Product Name: Menin-MLL inhibitor 20

Cat. No.: GC63538

Chemical Properties

Cas. No. 2448173-47-3

Formula $C_{33}H_{40}N_8O_4$ M.Wt 612.72

Solubility DMSO : 33.33 mg/mL (54.40 mM; ultrasonic and warming and heat to 60°C) 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**

Menin-MLL inhibitor 20 is an irreversible menin-MLL interaction inhibitor with antitumor activities (WO2020142557A1, compound 6)[1].

The Histone-lysine N-methyltransferase 2 (KMT2) family of proteins, which currently consists of at least 5 members, methylate lysine 4 on the histone H3 tails at important regulatory regions in the genome and thereby impart crucial functions through the modulation of chromatin structures and DNA accessibility. These enzymes are known to play an important role in the regulation of gene expression during early development and hematopoiesis. The human KMT2 family was initially named the mixed-lineage leukaemia (MLL) family, owing to the role of the first-found member in this disease[1].

[1]. Thomas Butler, et al. Irreversible inhibitors of menin-mlt interaction. WO2020142557A1.

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

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