
Product Data Sheet

Product Name: KDM4-IN-2

Cat. No.: GC36389

Chemical Properties

Cas. No. 2369607-62-3

SMILES O=C1C2=CC=NC(N3C=C(CCN4CCC5(CCC6=C5C=CC=C6)CC4)C=N3)=C2N=CN1Formula C₂₅H₂₆N₆O

M.Wt

426.51

Solubility Soluble in DMSO

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**

KDM4-IN-2 (Compound 19a) is a potent and selective KDM4/KDM5 dual inhibitor with K_is of 4 and 7 nM for KDM4A and KDM5B, respectively[1]. K_i: 4 nM (KDM4A), 7 nM (KDM5B)[1] IC₅₀: 100±41 nM (KDM4A), 43±21 nM (KDM4B), 38 nM (KDM5B), 123 nM (KDM5C), 4.50 μM (KDM2A), 5.78 μM (KDM3A), 90.22 μM (KDM6B)[1]

[1]. Le Bihan YV, et al. C8-substituted pyrido[3,4-d]pyrimidin-4(3H)-ones: Studies towards the identification of potent, cell penetrant Jumonji C domain containing histone lysine demethylase 4 subfamily (KDM4) inhibitors, compound profiling in cell-based target engagement assays. Eur J Med Chem. 2019 Sep 1;177:316-337.

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

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