

Product Data Sheet

Product Name: KDM5-C70

Cat. No.: GC39394

Chemical Properties

Cas. No. 1596348-32-1

SMILES O=C(C1=CC(CNCC(N(CCN(C)C)CC)=O)=NC=C1)OCC

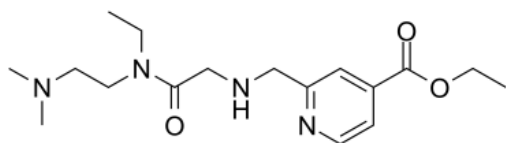
Formula $C_{17}H_{28}N_4O_3$ M.Wt 336.43

Solubility DMSO: 250 mg/mL (743.10 mM) 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

KDM5-C70 is an ethyl ester derivative of KDM5-C49 and a potent, cell-permeable and pan-KDM5 histone demethylase inhibitor. KDM5-C70 has an antiproliferative effect in myeloma cells, leading to genome-wide elevation of H3K4me3 levels[1][2].

[1]. Johansson C, et al. Structural analysis of human KDM5B guides histone demethylase inhibitor development. Nat Chem Biol. 2016 Jul;12(7):539-45. [2]. Blair LP, et al. KDM5 lysine demethylases are involved in maintenance of 3'UTR length. Sci Adv. 2016 Nov 18;2(11):e1501662.

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

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