
Product Data Sheet

Product Name: CPUY074020

Cat. No.: GC35742

Chemical Properties

Cas. No. 902279-44-1

SMILES O=C1C2=CC=CC=C2C3=C4C1=C(NCCN5CCCC5)C=C(N6CCCCC6)C4=NO3Formula $C_{25}H_{28}N_4O_2$ M.Wt 416.52

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**

CPUY074020 is a potent G9a inhibitor with an IC₅₀ of 2.18 μM, and possesses anti-proliferative activity [1]. IC₅₀: 2.18 μM (G9a)[1]

[1]. Chen WL, et al. Discovery, design and synthesis of 6H-anthra[1,9-cd]isoxazol-6-one scaffold as G9a inhibitor through a combination of shape-based virtual screening and structure-based molecular. *Bioorg Med Chem.* 2016 Nov 15;24(22):6102-6108.

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

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