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## Product Data Sheet

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Product Name: SMYD3-IN-1

Cat. No.: GC37654

**Chemical Properties**

Cas. No. 2095160-79-3

SMILES O=C(N1[C@H](C)CN(C(C2=CC=C3C(Cl)=CC(C4=CC=C(C5(N)CC5)C=C4)=NC3=C2)=O)CC1)OCCC

Formula  $C_{28}H_{31}ClN_4O_3$  M.Wt 507.02Solubility Soluble in DMSO Storage Store at  $-20^{\circ}C$ 

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT Condition, or blue ice upon request.

Structure **Background**

SMYD3-IN-1 (compound 29) is an irreversible and selective inhibitor of SMYD3 (SET and MYND domain containing 3), with an  $IC_{50}$  of 11.7 nM[1]. SMYD3|11.7 nM ( $IC_{50}$ )

[1]. Huang C, et al. Discovery of Irreversible Inhibitors Targeting Histone Methyltransferase, SMYD3. ACS Med Chem Lett. 2019 May 23;10(6):978-984.

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

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