
Product Data Sheet

Product Name: AZD-5991 S-enantiomer

Cat. No.: GC33239

Chemical Properties

Cas. No. 2143061-82-7

SMILES O=C(O)C1=C(CCCOC2=C(C=CC=C3)C3=CC4=C2)C5=C(N1C)C(C6=C(C)N(C)N=C6CSCC7=NN(C)C(CS4)=C7)=C(Cl)C=C5Formula C₃₅H₃₄ClN₅O₃S₂

M.Wt

672.26

Solubility Soluble in DMSO

Storage

Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock tips 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

AZD-5991 S-enantiomer is the less active enantiomer of AZD-5991. AZD-5991 S-enantiomer is a Mcl-1 inhibitor with an IC₅₀ of 6.3 μM in FRET assay and a K_d of 0.98 μM in surface plasmon resonance (SPR) assay.

[1]. Tron AE, et al. Discovery of Mcl-1-specific inhibitor AZD5991 and preclinical activity in multiple myeloma and acute myeloid leukemia. Nat Commun. 2018 Dec 17;9(1):5341.

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

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