
Product Data Sheet

Product Name: CDK9 Antagonist-1
Cat. No.: GC35635

Chemical Properties

Cas. No.

SMILES O=C(C=C(C1=CC=CC=C1)O2)C3=C2C(OCC4=CN(CCCCCCCC(NC5=C(C(N(C6C(NC(CC6)=O)=O)C7=O)=O)C7=CC=C5)=O)N=N4)=

Formula C₃₉H₃₆N₆O₁₀

M.Wt

748.74

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 solution can be tips below -20°C for several months.

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

Structure

Background

CDK9 Antagonist-1 (compounds 11c) is a potent and selective CDK9 degrader based on PROTAC, with an IC₅₀ of 17 μM in MCF-7 cell lines. Natural product Wogonin binds ubiquitin E3 ligase cereblon (CRBN) via a linker to form PROTAC[1]. CDK9|17 μM (IC₅₀, MCF-7 cells)

[1]. Bian J , et al. Discovery of Wogonin-based PROTACs against CDK9 and capable of achieving antitumor activity. Bioorg Chem. 2018 Dec;81:373-381.

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

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