

Product Name : NPD13668

Synonyms : NPD-13668; NPD 13668

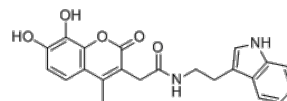
Cat No. : M16274

CAS Number : 864819-54-5

Molecular Formula : C₂₂H₂₀N₂O₅

Formula Weight : 392.41

Chemical Name : N-(2-(1H-indol-3-yl)ethyl)-2-(7,8-dihydroxy-4-methyl-2-oxo-2H-chromen-3-yl)acetamide



Description : NPD13668 (NPD-13668) is a chemical novel modulator of EZH2-mediated gene silencing, inhibits EZH2/PCR2 activity and decreases H3K27me3 levels; reactivates the expression of silenced H3K27me3 target genes together with depletion of the H3K27me3 modification; effectively suppressed the cell growth of solid tumors even without EZH2 active mutations; inhibits cell proliferation in many cancer cells (PC3 cell IC₅₀=5.39 μM); NPD13668 is a potential modulator of EZH2 methyltransferase activity.

Pathway : Chromatin/Epigenetic

Target : HMTase

Receptor : HMTase

Solubility : —

SMILES : CC1=C(C(=O)OC2=C1C=CC(=C2O)O)CC(=O)NCCC3=CNC4=CC=CC=C43

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Murashima A, et al. J Biochem. 2019 Jan 25. doi: 10.1093/jb/mvz007.