

Product Name : SirReal2

Synonyms : MZ25;MZ-25;SirReal 2

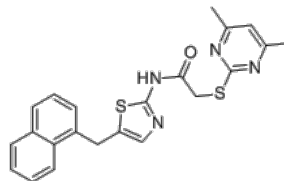
Cat No. : M12854

CAS Number : 1848251-24-0

Molecular Formula : C₂₂H₂₀N₄OS₂

Formula Weight : 420.55

Chemical Name : 2-((4,6-dimethylpyrimidin-2-yl)thio)-N-(5-(naphthalen-1-ylmethyl)thiazol-2-yl)acetamide



Description : SirReal2 (MZ25) is a novel potent, selective Sirt2 inhibitor with IC₅₀ of 0.435 uM; displays >1,000-fold more potently than Sirt1, Sirt3, Sirt4, Sirt5 and Sirt6; increases α-tubulin acetylation in HeLa cells, significantly results in a dose-dependent depletion of BubR1.

Pathway : Chromatin/Epigenetic

Target : Sirtuin

Receptor : Sirtuin

Solubility : —

SMILES : CC1=CC(=NC(=N1)SCC(=O)NC2=NC=C(S2)CC3=CC=CC4=CC=CC=C43)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Rumpf T, et al. Nat Commun. 2015 Feb 12;6:6263. 2. Schiedel M, et al. Angew Chem Int Ed Engl. 2016 Feb 5;55(6):2252-6.