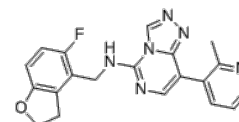


Product Name : MAK683
Cat. No. : PC-35591
CAS No. : 1951408-58-4
Molecular Formula : C₂₀H₁₇FN₆O
Molecular Weight : 376.39
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



1. Huang Y, et al. *J Med Chem.* 2022 Apr 14;65(7):5317-5333.

Biological Activity

MAK683 (MAK-683) is a potent and selective EED inhibitor with biochemical IC₅₀ of 9 nM, and allosteric inhibitor of polycomb repressive complex 2 (**PRC2**), selectively binds to the domain of EED that interacts with H3K27me₃. MAK683 leads to a conformational change in the EED H3K27me₃-binding pocket and prevents the interaction of EED with the histone methyltransferase enhancer zeste homolog 2 (EZH2). MAK683 inhibits tumor cell proliferation in EZH2-mutated and PRC2-dependent cancer cells.

References

