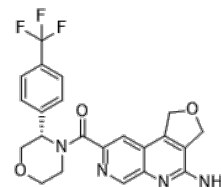


Product Name : AMG 193
Cat. No. : PC-22135
CAS No. : 2790567-82-5
Molecular Formula : C₂₂H₁₉F₃N₄O₃
Molecular Weight : 444.41
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



CAS: 2790567-82-5

Biological Activity

Anvmetostat (AMG 193, AMG-193) is a potent, selective and MTA-cooperative **PRMT5** inhibitor with IC₅₀ of 107 nM in MTAP deleted cells, binds to the PRMT5-MTA complex with an extremely high affinity (3.9 pM).

AMG193 induces DNA damage, cell cycle arrest, and aberrant alternative mRNA splicing in MTAP-deleted cells.

AMG193 induces robust antitumor activity and is well tolerated with no impact on normal hematopoietic cell lineages, in human cell line and patient-derived xenograft models.

AMG193 synergizes with chemotherapies or the KRAS G12C inhibitor sotorasib in vitro, and combination treatment in vivo significantly inhibits tumor growth.

References

Patent WO2022132914A1.

2. Adam Radzimierski, et al. **Cancer Res** (2024) 84 (6_Supplement): 4598.

3. Belmontes B, et al. **Cancer Discov.** 2024 Sep 16. doi: 10.1158/2159-8290.CD-24-0887.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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