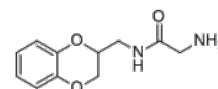


Product Name : MBD2 inhibitor ABA
Cat. No. : PC-72567
CAS No. : 1247158-03-7
Molecular Formula : C₁₁H₁₄N₂O₃
Molecular Weight : 222.244
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MBD2 inhibitor ABA (ABA) is a small molecule inhibitor targeting an intrinsically disordered protein region (IDPR) of **MBD2** with antimetastatic activity, inhibits DOT-mediated PPI of MBD2, efficiently disrupts MBD2 interaction with p66 α with IC₅₀ of 1.4 μ M (FRET).

ABA suppresses the migration of breast adenocarcinoma MDA-MB-231 (LM1) and colorectal carcinoma HCT116 cells.

ABA induces mesenchymal-epithelial transition (MET) on treatment of mesenchymal type of cancer cells.

ABA exhibits a potent inhibition of the cancer metastasis to lung in xenograft mice transplanted with the LM1 cells, with no significant effects on body weight.

References

Min Young Kim, et al. *Sci Adv.* 2019 Nov 20;5(11):eaav9810.

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

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