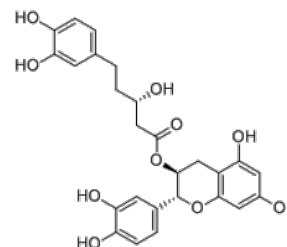


Product Name : TET inhibitor C35
Cat. No. : PC-72555
CAS No. : 98570-83-3
Molecular Formula : C₂₆H₂₆O₁₀
Molecular Weight : 498.484
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

TET inhibitor C35 (TET-IN-C35) is a first-in-class, highly potent, cell-permeable pan-**TET** inhibitor (TET2 IC₅₀=1.2 μM) that specifically targets TET catalytic domain and reduces 5-hydroxymethylcytosine (5hmC) load on the genome.

TET inhibitor C35 is a general TET inhibitor that targets all members of the TET family.

TET inhibitor C35 also suppresses the catalytic activities of TET1 and TET3 with IC₅₀ 3.48 μM and 2.31 μM, respectively.

TET inhibitor C35 treatment reduces genome-wide 5hmC level in human and mouse cells.

TET inhibitor C35 promotes somatic cell reprogramming induces the expression of members of the BMP-SMAD-ID axis.

References

Anup Kumar Singh, et al. Proc Natl Acad Sci U S A. 2020 Feb 18;117(7):3621-3626.

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

E-mail: tech@probechem.com