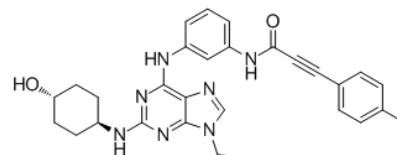


Product Name : TN1
Cat. No. : PC-42268
CAS No. : 289479-94-3
Molecular Formula : C₂₉H₃₁N₇O₂
Molecular Weight : 509.6021
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

TN1 is a potent, small molecule **fetal hemoglobin** (HbF) inducer with EC₅₀ of 100 nM.

At 100 nM, increases γ-globin expression (2.9- and 3.7-fold increase in KU812 cell and K562 cell, respectively) to higher levels than 50–100 μM hydroxyurea.

TN1 is a useful starting point for the generation of compounds that can be used for the treatment of SCD.

References

Nam TG, et al. *ChemMedChem*. 2011 May 2;6(5):777-80.

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

E-mail: tech@probechem.com