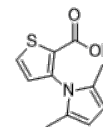


Product Name : Pyrrothiogatain
Cat. No. : PC-23949
CAS No. : 477888-48-5
Molecular Formula : C₁₁H₁₁NO₂S
Molecular Weight : 221.27
Target : GATA Binding Protein
Solubility : 10 mM in DMSO



Biological Activity

Pyrrothiogatain is a small molecule inhibitor of transcription factor GATA3 with IC₅₀ of 54.7 μ M, inhibits the DNA-binding activity of GATA3 and other members of the GATA family.

Pyrrothiogatain also inhibited the interaction between GATA3 and SOX4, suggesting that it interacts with the DNA-binding region of GATA3.

Pyrrothiogatain significantly suppressed Th2 cell differentiation, without impairing Th1 cell differentiation, and inhibited the expression and production of Th2 cytokines.

Pyrrothiogatain inhibited GATA3 DNA-binding to Th2 cytokine gene locus.

References

Nomura S, et al. Sci Rep. 2019 Nov 22;9(1):17335.

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

E-mail: tech@probechem.com