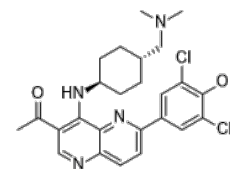


**Product Name** : Ferovicin  
**Cat. No.** : PC-25682  
**CAS No.** : 1431697-89-0  
**Molecular Formula** : C<sub>25</sub>H<sub>28</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 487.43  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

Ferovicin is a specific small molecule inhibitor **FERONIA (FER) receptor kinase** with IC<sub>50</sub> of 70 nM, selectively binds to the ATP-binding pocket of the kinase domain of FER and inhibits its kinase activity. FERONIA (FER) receptor kinase is the receptor for Rapid Alkalinization Factor 1 (RALF1), acts as a central signaling hub coordinating plant development, stress adaptation, and immune responses.

### References

Sun M, et al. *Proc Natl Acad Sci U S A*. 2025 Nov 11;122(45):e2515322122.

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

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