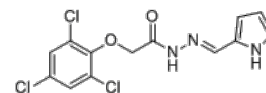


**Product Name** : ML239  
**Cat. No.** : PC-62221  
**CAS No.** : 1378872-36-6  
**Molecular Formula** : C<sub>13</sub>H<sub>10</sub>Cl<sub>3</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 346.592  
**Target** : Other Targets  
**Solubility** :



## Biological Activity

ML239 is a selective small molecule inhibitor of breast cancer stem cells (CSCs) with IC<sub>50</sub> of 1.18 μM, displays >23-fold selective inhibition of the breast CSC-like cell line over the isogenic control cell line; alters the expression of genes in the MAPK, NF-κB, and inflammatory cytokine pathways; most likely acts through activation of fatty acid desaturase 2 (FADS2).

## References

- Rees MG, et al. Nat Chem Biol. 2016 Feb;12(2):109-16.  
Carmody LC, et al. J Biomol Screen. 2012 Oct;17(9):1204-10.  
Germain AR, et al. Bioorg Med Chem Lett. 2012 May 15;22(10):3571-4.

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

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