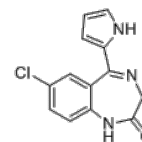


**Product Name** : Ro5-3335  
**Cat. No.** : PC-70219  
**CAS No.** : 30195-30-3  
**Molecular Formula** : C<sub>13</sub>H<sub>10</sub>ClN<sub>3</sub>O  
**Molecular Weight** : 259.63  
**Target** : RUNX1-CBFβ  
**Solubility** : 10 mM in DMSO



## Biological Activity

Ro5-3335 is a small molecule RUNX1-CBFβ interaction inhibitor that represses **RUNX1/CBFB**-dependent transactivation. Ro5-3335 repressed runx1-dependent hematopoiesis in zebrafish embryos.

Ro5-3335 preferentially killed human CBF leukemia cell lines, rescued preleukemic phenotype in a RUNX1-ETO transgenic zebrafish, and reduced leukemia burden in a mouse CBFB-MYH11 leukemia model.

Ro5-3335 enhance the activation of latent HIV-1 in both cell lines and PBMCs from patients when synergizes with the histone deacetylase (HDAC) inhibitor SAHA.

## References

Cunningham L, et al. *Proc Natl Acad Sci U S A*. 2012 Sep 4;109(36):14592-7.

Bresciani E, et al. *Blood*. 2014 Jul 3;124(1):70-8.

Logan TT, et al. *Stem Cell Res*. 2015 Nov;15(3):554-64.

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

E-mail: tech@probechem.com