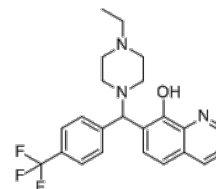


**Product Name** : EU-5346  
**Cat. No.** : PC-38265  
**CAS No.** : 315698-17-0  
**Molecular Formula** : C<sub>23</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>O  
**Molecular Weight** : 415.46  
**Target** : Bcl-2  
**Solubility** : 100 mM in DMSO



### Biological Activity

EU-5346 (ML311) is a small molecule **Mcl-1** inhibitor with IC<sub>50</sub> of 0.31 uM, potently and selectively disrupts Mcl-1/Bim interaction.

EU-5346 induced cell death and decreased spheroid formation in Her2-positive BC cells.

EU-5346 induced ubiquitination of Mcl-1- bound Her2 demonstrating a previously unknown role for Mcl-1 to stabilize Her2 protein levels.

When combined with tamoxifen or trastuzumab, EU-5346 induced significant anti-BC activity in hormone receptor positive or Her2-positive BC cells, respectively.

EU-5346 in combination with paclitaxel induced synergistic anti-BC activity in both paclitaxel-sensitive and paclitaxel-resistant TNBC cells.

### References

Bannister T, et al. Probe Reports from the NIH Molecular Libraries Program [Internet] 2012.

Bashari MH, et al. Breast Cancer Res. 2016 Feb 26;18(1):26.

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

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