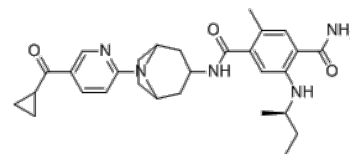


**Product Name** : XL888  
**Cat. No.** : PC-21234  
**CAS No.** : 1149705-71-4  
**Molecular Formula** : C<sub>29</sub>H<sub>37</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 503.65  
**Target** : Heat Shock Protein (HSP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

XL888 is a potent small molecule inhibitor of **HSP90** with IC<sub>50</sub> of 24 nM, inhibits cell proliferation of multiple cancer cell types.

XL888 potently inhibited cell growth, induced apoptosis, and prevented the growth of vemurafenib-resistant melanoma cell lines in 3-dimensional cell culture, long-term colony formation assays, and human melanoma mouse xenografts.

XL888 treatment increased BIM expression, decreased Mcl-1 expression, and induced apoptosis.

XL888 is effective at reversing BRAF inhibitor resistance in melanoma, including that mediated through acquired NRAS mutations.

## References

Paraiso KH, et al. *Clin Cancer Res.* 2012 May 1;18(9):2502-14.

Bussenius J, et al. *Bioorg Med Chem Lett.* 2012 Sep 1;22(17):5396-404.

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

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