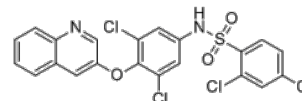


**Product Name** : Ibrigampar  
**Cat. No.** : PC-38677  
**CAS No.** : 315224-26-1  
**Molecular Formula** : C<sub>21</sub>H<sub>12</sub>Cl<sub>4</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 514.198  
**Target** : PPAR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Ibrigampar (AMG31, INT131, CHS131) is a selective, orally active **PPAR $\gamma$**  modulator (partial agonist) with binding IC<sub>50</sub> of 17 nM, and PPAR $\gamma$  transactivation EC<sub>50</sub> of 150 nM, enhances insulin sensitivity.

INT131 is highly selective for PPAR $\gamma$  over other nuclear receptors, with no activation of human PPAR $\alpha$ , PPAR $\delta$ , FXR, LXR, PXR or RXR or of rodent PPAR.

INT131 displays robust glucose-lowering activity in rodent models of diabetes while exhibiting a reduced side-effects profile compared to marketed TZDs.

## References

Taygerly JP, et al. *Bioorg Med Chem*. 2013 Feb 15;21(4):979-92.

Lee DH, et al. *Am J Physiol Endocrinol Metab*. 2012 Mar 1;302(5):E552-60.

Motani A, et al. *J Mol Biol*. 2009 Mar 13;386(5):1301-11.

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

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