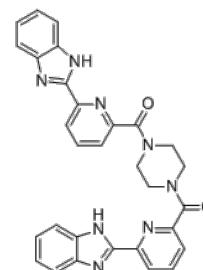


**Product Name** : Omilancor  
**Cat. No.** : PC-72523  
**CAS No.** : 1912399-75-7  
**Molecular Formula** : C<sub>30</sub>H<sub>24</sub>N<sub>8</sub>O<sub>2</sub>  
**Molecular Weight** : 528.576  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Omilancor (BT-11) is a locally-acting, first-in-class, small molecule that selectively activates the Lanthionine Synthetase C-like 2 (**LANCL2**) pathway.

Through LANCL2 activation, Omilancor also modulates Treg stability and function through a two-layer mechanism: (1) regulation of FOXP3 activity through immunometabolic pathways, and (2) synergism with the IL-2/STAT5 signaling axis of Treg cells; omilancor regulates late-stage glycolysis and promotes oxidative metabolism in regulatory T cells (Treg). Omilancor ameliorates disease severity, epidermal hyperplasia and acanthosis in an imiquimod-induced mouse model of psoriasis.

## References

Adria Carbo, et al. *J Med Chem*. 2016 Nov 23;59(22):10113-10126.

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

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