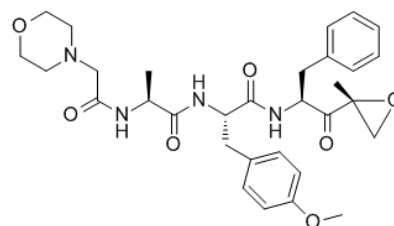


**Product Name** : ONX-0914  
**Cat. No.** : PC-43393  
**CAS No.** : 960374-59-8  
**Molecular Formula** : C<sub>31</sub>H<sub>40</sub>N<sub>4</sub>O<sub>7</sub>  
**Molecular Weight** : 580.6719  
**Target** : Proteasome  
**Solubility** : DMSO: ≥ 35 mg/mL



## Biological Activity

ONX-0914 (PR-957) is a potent, selective inhibitor of the chymotrypsin-like subunit of immunoproteasome **LMP7** with IC<sub>80</sub> <100 nM, 20- to 40-fold more selective over β5 or LMP2.

ONX-0914 (PR-957) blocks presentation of LMP7-specific, MHC-I-restricted antigens in vitro and in vivo, blocks production of interleukin-23 (IL-23) by activated monocytes and interferon-gamma and IL-2 by T cells.

ONX-0914 (PR-957) reverses signs of disease and results in reductions in cellular infiltration, cytokine production and autoantibody levels in experimental arthritis models.

## References

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Basler M, et al. *J Immunol*. 2010 Jul 1;185(1):634-41.

Ichikawa HT, et al. *Arthritis Rheum*. 2012 Feb;64(2):493-503.

Verbrugge SE, et al. *J Pharmacol Exp Ther*. 2012 Apr;341(1):174-82.

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

E-mail: tech@probechem.com