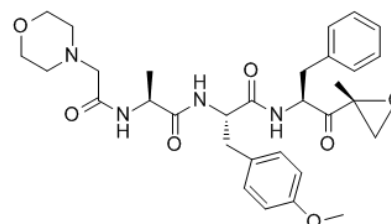


Product Name : ONX-0914
Cat. No. : PC-43393
CAS No. : 960374-59-8
Molecular Formula : C₃₁H₄₀N₄O₇
Molecular Weight : 580.6719
Target : Proteasome
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

ONX-0914 (PR-957) is a potent, selective inhibitor of the chymotrypsin-like subunit of immunoproteasome **LMP7** with IC₈₀ <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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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!

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