

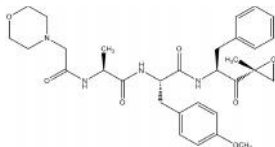
PRODUCT: ONX-0914

ALTERNATE NAME: (S)-3-(4-methoxyphenyl)-N-((S)-1-((R)-2-methyloxiran-2-yl)-1-oxo-3-phenylpropan-2-yl)-2-((S)-2-(2-morpholinoacetamido)propanamido)propanamide; PR-957

CATALOG #: 2555-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₁H₄₀N₄O₇

MOLECULAR WEIGHT: 580.67

CAS No. 960374-59-8

APPEARANCE: White solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20°C. Protect from light and air

DESCRIPTION: A potent and selective immunoproteasome inhibitor with minimal cross-reactivity for the constitutive proteasome. It selectively inhibits low-molecular mass polypeptide-7 (LMP7, encoded by Psmb8), the chymotrypsin-like subunit of the immunoproteasome (IC₅₀ < 100 nM). ONX-0914 blocks presentation of LMP7-specific, MHC-I-restricted antigens in vitro and in vivo. Selective inhibition of LMP7 by ONX-0914 blocks production of interleukin-23 (IL-23) by activated monocytes and interferon-γ and IL-2 by T cells.

REFERENCES: Muchamuel, T., *et al.* (2009). *Nat. Med.* **15**, 781-787.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Aclacinomycin A (**Cat. No. 2032-5, 25**)
 Calpain Inhibitor I, ALLN (**Cat. No. 1834-5, 25**)
 Calpain Inhibitor II, ALLM (**Cat. No. 1834-5, 25**)
 Clasto-Lactacystin β-Lactone (**Cat. No. 1710-100**)
 Carfilzomib (**Cat. No. 2385-5, 25**)
 CEP-18770 (**Cat. No. 2433-5, 25**)
 E6AP Antibody (**Cat. No. 3744-100**)
 (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
 Fenbendazole (**Cat. No. 2157-100, 500**)
 Isopeptidase T (short form), human recombinant (**Cat. No. 4861-25**)
 Isopeptidase T (long form), human recombinant (**Cat. No. 4862-25**)
 Lactacystin (**Cat. No. 1709-200**)
 MG-115 (**Cat. No. 1831-1, 5**)
 EZSolution™ MG-115 (**Cat. No. 2144-1**)
 MG-132 (**Cat. No. 1703-5, 25**)
 Oprozomib (**Cat. No. 2386-5, 25**)
 PS-341 (**Cat. No. 1846-1,5**)
 EZSolution™ MG-132 (**Cat. No. 1791-5**)
 Proteasome Activity Assay Kit (**Cat. No. K245-100**)
 Proteasome Substrate, Fluorogenic (**Cat. No. 1832-1, 5**)
 PYR-41 (**Cat. No. 1925-5, 25**)
 PS-341 (**Cat. No. 1846-1, 5**)
 EZSolution™ PS-341 (**Cat. No. 2145-1**)
 Suc-Leu-Leu-Val-Tyr-AMC (**Cat. No. 1833-5**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**