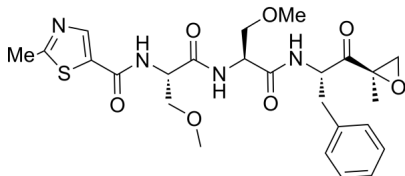


## Certificate of Analysis

Catalog Number	BP12892
Product Name	Oprozomib

## Physical and Chemical Properties

Synonyms	ONX 0912, PR-047
CAS No.	935888-69-0
Chemical Formula	C <sub>25</sub> H <sub>32</sub> N <sub>4</sub> O <sub>7</sub> S
Molecular Weight	532.61
Solubility	H <sub>2</sub> O: <1 mg/mL DMSO: 93 mg/mL (174.6mM); Ethanol: <1 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Oprozomib is a complex molecule featuring a thiazole ring substituted with a methyl group and a carbonyl group. This is linked via an amide bond to a chiral center containing a methoxy group. Further amide linkages connect to another chiral center with a methoxymethyl group, and finally to a third chiral center which is part of a cyclopropane ring fused to a benzene ring.</p>

## Product Information

Description	Oprozomib (ONX 0912), an inhibitor for CT-L activity of 20S proteasome $\beta 5$ IC <sub>50</sub> =36 nM/LMP7 IC <sub>50</sub> =82 nM, is orally bioavailable. Oprozomib also has potential antineoplastic activity.
Targets&IC50	20S proteasome $\beta 5$ :36 nM, 20S proteasome LMP7:82 nM

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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