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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

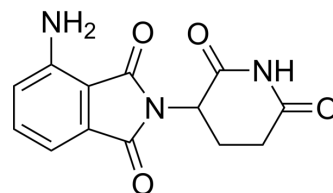
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Pomalidomide (Standard)

Cat. No.:	HY-10984R
CAS No.:	19171-19-8
Molecular Formula:	C ₁₃ H ₁₁ N ₃ O ₄
Molecular Weight:	273.24
Target:	Molecular Glues; Apoptosis; Ligands for E3 Ligase
Pathway:	PROTAC; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pomalidomide (Standard) is the analytical standard of Pomalidomide. This product is intended for research and analytical applications. Pomalidomide, the third-generation immunomodulatory agent, acts as molecular glue. Pomalidomide interacts with the E3 ligase cereblon and induces degradation of essential Ikaros transcription factors.
IC₅₀ & Target	E3 ligase cereblon ^[5]

REFERENCES

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- [2]. Hernandez-Ilizaliturri FJ1, et al. Immunomodulatory drug CC-5013 or CC-4047 and rituximab enhance antitumor activity in a severe combined immunodeficient mouse lymphoma model. *Clin Cancer Res*. 2005 Aug 15;11(16):5984-92.
- [3]. Schafer PH, et al. Enhancement of cytokine production and AP-1 transcriptional activity in T cells by thalidomide-related immunomodulatory drugs. *J Pharmacol Exp Ther*. 2003 Jun;305(3):1222-32.
- [4]. Li Z, et al. Pomalidomide shows significant therapeutic activity against CNS lymphoma with a major impact on the tumor microenvironment in murine models. *PLoS One*. 2013 Aug 5;8(8):e71754.
- [5]. Lu J, et al. Hijacking the E3 Ubiquitin Ligase Cereblon to Efficiently Target BRD4. *Chem Biol*. 2015 Jun 18;22(6):755-63.
- [6]. Liu D, et al. Tumour necrosis factor- α inhibits hepatic lipid deposition through GSK-3 β / β -catenin signaling in juvenile turbot (*Scophthalmus maximus* L.). *Gen Comp Endocrinol*. 2016 Mar 1;228:1-8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA