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Zuschläge

- Mindermengenzuschlag
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- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

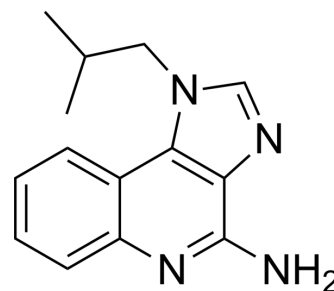
mail@szabo-scandic.com

www.szabo-scandic.com

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

Imiquimod (Standard)

Cat. No.:	HY-B0180R
CAS No.:	99011-02-6
Molecular Formula:	C ₁₄ H ₁₆ N ₄
Molecular Weight:	240.3
Target:	HSV; Autophagy; Toll-like Receptor (TLR); SARS-CoV
Pathway:	Anti-infection; Autophagy; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Imiquimod (Standard) is the analytical standard of Imiquimod. This product is intended for research and analytical applications. Imiquimod (R 837), an immune response modifier, is a selective toll like receptor 7 (TLR7) agonist. Imiquimod exhibits antiviral and antitumor effects in vivo. Imiquimod can be used for the research of external genital, perianal warts, cancer and COVID-19 ^{[1][2]} .
IC₅₀ & Target	toll-like receptor 7 ^[1]

REFERENCES

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- [3]. Yuji Kan, et al. Imiquimod suppresses propagation of herpes simplex virus 1 by upregulation of cystatin A via the adenosine receptor A1 pathway. J Virol. 2012 Oct;86(19):10338-46.
- [4]. Michael P Schön, et al. The small antitumoral immune response modifier imiquimod interacts with adenosine receptor signaling in a TLR7- and TLR8-independent fashion. J Invest Dermatol. 2006 Jun;126(6):1338-47.
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- [7]. Sangseo Kim, et al. Development and Optimization of Imiquimod-Loaded Nanostructured Lipid Carriers Using a Hybrid Design of Experiments Approach. Int J Nanomedicine. 2023.

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