



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### 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

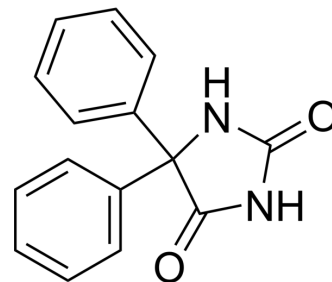
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Phenytoin (Standard)

Cat. No.:	HY-B0448R
CAS No.:	57-41-0
Molecular Formula:	C <sub>15</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	252.27
Target:	Virus Protease; Sodium Channel
Pathway:	Anti-infection; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Phenytoin (Standard) is the analytical standard of Phenytoin. This product is intended for research and analytical applications. Phenytoin (5,5-Diphenylhydantoin) is a potent Voltage-gated Na<sup>+</sup> channels (VGSCs) blocker. Phenytoin has antiepileptic activity and reduces breast tumour growth and metastasis in mice<sup>[1][2]</sup>.

### REFERENCES

- [1]. Rogawski, M.A. and W. Loscher, The neurobiology of antiepileptic drugs. *Nat Rev Neurosci*, 2004. 5(7): p. 553-64.
- [2]. Porter, R.J., et al., Mechanisms of action of antiseizure drugs. *Handb Clin Neurol*, 2012. 108: p. 663-81.
- [3]. Balaji, S., Medical therapy for sudden death. *Pediatr Clin North Am*, 2004. 51(5): p. 1379-87.
- [4]. Michaela Nelson, et al. The sodium channel-blocking antiepileptic drug phenytoin inhibits breast tumour growth and metastasis. *Mol Cancer*. 2015 Jan 27;14(1):13.

**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](mailto:tech@MedChemExpress.com)

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