



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

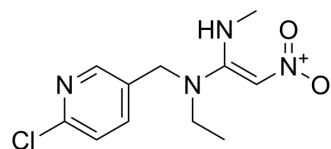
mail@szabo-scandic.com

www.szabo-scandic.com

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

Nitenpyram (Standard)

Cat. No.:	HY-B0820R
CAS No.:	150824-47-8
Molecular Formula:	C ₁₁ H ₁₅ ClN ₄ O ₂
Molecular Weight:	270.72
Target:	nAChR; Parasite
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (461.73 mM; Need ultrasonic)

H₂O : ≥ 100 mg/mL (369.39 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.6939 mL	18.4693 mL	36.9385 mL
	5 mM		0.7388 mL	3.6939 mL	7.3877 mL
	10 mM		0.3694 mL	1.8469 mL	3.6939 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Nitenpyram (Standard) is the analytical standard of Nitenpyram. This product is intended for research and analytical applications. Nitenpyram is a calss of neonicotinoid and an insect nicotinic acetylcholine receptor (nAChR) agonist with an IC₅₀ of 14 nM. Nitenpyram is an oral fast-acting insecticide used to suppress sucking insects on companion animals^{[1][2]}.

REFERENCES

[1]. Vo DT, et al. Insect nicotinic acetylcholine receptor agonists as flea adulticides in small animals. J Vet Pharmacol Ther. 2010 Aug;33(4):315-22.

[2]. Rust MK, et al. Efficacy and longevity of nitenpyram against adult cat fleas (Siphonaptera: Pulicidae). J Med Entomol. 2003 Sep;40(5):678-81.

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