



# 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

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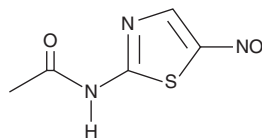
# PRODUCT INFORMATION



## Nithiamide

Item No. 36006

**CAS Registry No.:** 140-40-9  
**Formal Name:** N-(5-nitro-2-thiazolyl)-acetamide  
**Synonyms:** 2-Acetylamino-5-nitrothiazole, Aminitrozole, CL 5,279, NSC 31539, NSC 45914  
**MF:** C<sub>5</sub>H<sub>5</sub>N<sub>3</sub>O<sub>3</sub>S  
**FW:** 187.2  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 235, 339 nm  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Nithiamide is supplied as a solid. A stock solution may be made by dissolving the nithiamide in the solvent of choice, which should be purged with an inert gas. Nithiamide is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of nithiamide in these solvents is approximately 10 and 3 mg/ml, respectively.

### Description

Nithiamide is an antiprotozoal agent.<sup>1</sup> It is active against *G. intestinalis* and *T. vaginalis* (IC<sub>50</sub>s = 0.49 and 0.022 μM, respectively). Nithiamide (0.05% in the diet) reduces mortality in a turkey model of histomoniasis.<sup>2</sup>

### References

1. Navarrete-Vázquez, G., Chávez-Silva, F., Colín-Lozano, B., *et al.* Synthesis of nitro(benzo)thiazole acetamides and in vitro antiprotozoal effect against amitochondriate parasites *Giardia intestinalis* and *Trichomonas vaginalis*. *Bioorg. Med. Chem.* **23(9)**, 2204-2210 (2015).
2. Flowers, A.I., Hall, C.F., and Grumbles, L.C. Chemotherapy of histomoniasis of turkeys I. The value of 1:2-dimethyl-5-nitroimidazole in prevention and treatment. *Avian Dis.* **9(3)**, 394-400 (1965).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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