



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) 

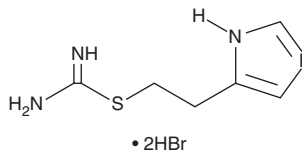
PRODUCT INFORMATION



Imetit (hydrobromide)

Item No. 29517

CAS Registry No.: 32385-58-3
Formal Name: carbamimidothioic acid, 2-(1H-imidazol-5-yl)ethyl ester, dihydrobromide
Synonym: VUF 8325
MF: C₆H₁₀N₄S • 2HBr
FW: 332.1
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

Imetit (hydrobromide) is supplied as a solid. A stock solution may be made by dissolving the imetit (hydrobromide) in water. The solubility of imetit (hydrobromide) in water is approximately 100 mM. We do not recommend storing the aqueous solution for more than one day.

Description

Imetit is a histamine H₃ and H₄ receptor agonist (K_s = 0.3 and 2.7 nM, respectively, in radioligand binding assays).¹ It is selective for histamine H₃ and H₄ receptors over H₁ and H₂ receptors at concentrations up to 100 μM, as well as the serotonin (5-HT) receptor subtype 5-HT₃ (K_i = 240 nM).^{2,3} Imetit reduces potassium-induced increases in histamine levels in isolated rat cerebral cortex slices (EC₅₀ = 2.8 nM).⁴ It increases scratching in mice (ED₅₀ = 0.9 μmol), an effect that is reduced by the H₃ receptor antagonist thioperamide (Item No. 10011127).⁵

References

1. Liu, C., Ma, X., Jiang, X., *et al.* Cloning and pharmacological characterization of a fourth histamine receptor (H₄) expressed in bone marrow. *Mol. Pharmacol.* **59**(3), 420-426 (2001).
2. Howson, W., Michael, E., Parsons, P.R., *et al.* Two novel, potent and selective histamine H₃ receptor agonists. *Bioorg. Med. Chem. Lett.* **2**(1), 77-78 (1992).
3. Leurs, R., Tulo, M.T., Menge, W.M., *et al.* Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed. *Br. J. Pharmacol.* **116**(4), 2315-2321 (1995).
4. Garbarg, M., Arrang, J.M., Rouleau, A., *et al.* S-[2-(4-imidazolyl)ethyl]isothioureia, a highly specific and potent histamine H₃ receptor agonist. *J. Pharmacol. Exp. Ther.* **263**(1), 304-310 (1992).
5. Bell, J.K., McQueen, D.S., and Rees, J.L. Involvement of histamine H₄ and H₁ receptors in scratching induced by histamine receptor agonists in BalbC mice. *Br. J. Pharmacol.* **142**(2), 374-380 (2004).

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.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 01/07/2020

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897

[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM