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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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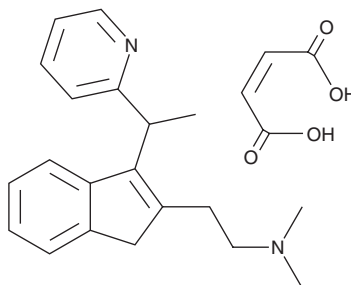
PRODUCT INFORMATION



Dimethindene (maleate)

Item No. 40649

CAS Registry No.: 3614-69-5
Formal Name: N,N-dimethyl-3-[1-(2-pyridinyl)ethyl]-1H-indene-2-ethanamine, 2Z-butenedioate
Synonyms: Dimetindene, NSC 107677, SU 6518
MF: $C_{20}H_{24}N_2 \cdot C_4H_4O_4$
FW: 408.5
Purity: $\geq 98\%$
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

Dimethindene (maleate) is supplied as a solid. A stock solution may be made by dissolving the dimethindene (maleate) in the solvent of choice, which should be purged with an inert gas. Dimethindene (maleate) is slightly soluble (0.1-1 mg/ml) in methanol and sparingly soluble (1-10 mg/ml) in DMSO.

Description

Dimethindene is a histamine H_1 receptor antagonist ($K_i = 1.5$ nM).¹ It is selective for histamine H_1 receptors over M_1 muscarinic acetylcholine receptors (mAChRs) and the serotonin (5-HT) receptor subtype 5-HT_{2A} (K_i s = 64 and 2,400 nM, respectively). *In vivo*, dimethindene (0.1 mg/kg), alone or in combination with the osmotic agent icodextrin, decreases adhesions between the abdominal wall and intraperitoneal viscera and local vascularization following surgery-induced abdominal trauma in rabbits.² Formulations containing dimethindene have been used in the treatment of dermatosis, pruritis, and nasal allergies.

References

1. Sautel, M., Towart, R., Théraulaz-Lacroix, M., *et al.* Effects of dimethindene maleate (Fenistil®) on histaminic, muscarinic and serotonergic receptor systems. *Agents Actions* **36**, C428-C430 (1992).
2. Tepetes, K., Asproдини, E.K., Christodoulidis, G., *et al.* Prevention of postoperative adhesion formation by individual and combined administration of 4 per cent icodextrin and dimetindene maleate. *Br. J. Surg.* **96**(12), 1476-1483 (2009).

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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