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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) 

1)12)2-4(9)10/h5-18H,4,19-20H2,1-3H3;13H,1-2H2,(H,7,8)(H,9,10)(H,11,12)/b

InChIKey

FQZTYWMLGAPFJ-OQKDUQJOSA-N

Safety Phrases

Classification: D2A- Very Toxic Material Causing Other Toxic Effects, Teratogen, Carcinogen, Reproductive hazard

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Hazard statements:

H302- Harmful if swallowed.

H350- May cause cancer.

H360- May damage fertility or the unborn child.

Precautionary statements:

P201- Obtain special instructions before use.

P308 + P313- IF exposed or concerned: Get medical advice/ attention.

Cite This Product

Tamoxifen Citrate (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-389)

Biological Description

Alternative Names

(2)-2-[4-(1,2-Diphenyl-1-butenyl)phenoxy]-N,N-dimethylethanamine citrate

Research Areas

Cancer, Autophagy

PubChem ID

2733525

Scientific Background

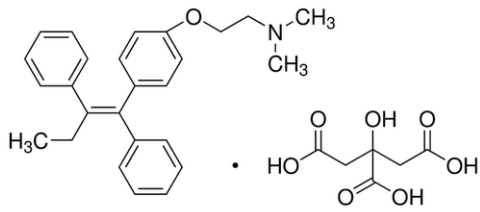
Tamoxifen citrate is an endocrine therapy drug used to treat breast cancer. It acts to interrupt estrogen signaling by blocking the estrogen receptor (ER). In vivo, tamoxifen and tamoxifen metabolites bind to estrogen receptors, causing the transcription of estrogen-response genes to be inhibited. In vitro, Tamoxifen is known to inhibit protein kinase C through estrogen receptor-independent antineoplastic effects. This drug therefore has important applications in breast cancer research, particularly in ER+ breast cancers. Recent studies have shown tamoxifen-resistant cells use autophagy as a survival mechanism.

References

1. Thomas, S. et al. (2011). Breast Cancer Res Treat, 130(2): 437-47.
2. Ma, J. et al. (2014). BMC Cancer, 14: 172.
3. Patel, S. et al. (2012). Int J Radiat Oncol Biol Phys, 82(2): 739-42.
4. Wang, D. et al. (2004). Mol Endocrinol. 402-11.

Product Images

Chemical structure of Tamoxifen Citrate (SIH-389), a Autophagy inducer. CAS #: 54965-24-1. Molecular Formula: C₂₆H₂₉NO.C₆H₈O₇. Molecular Weight: 563.65 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.