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DATASHEET

Raloxifene hydrochloride

Product overview

Name	Raloxifene hydrochloride
Cat No	HB2509
Alternative names	LY 139481, Keoxifene
Biological action	Other
Purity	>98%
Description	Selective estrogen receptor modulator

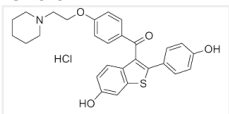
Biological Data

Biological description	Selective estrogen receptor modulator (K_i values are 0.38 and 5.6 nM at $Er\alpha$ and $Er\beta$ respectively). Shows estrogenic activity in bone and anti-estrogenic activity in breast tissue. Also shows antitumor and autophagy inducing effects. Active <i>in vivo</i> .
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Solubility & Handling

Storage instructions	+4 °C (desiccate)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	[6-Hydroxy-2-(4-hydroxyphenyl)benzo [b]thien-3-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]-methanone hydrochloride
Molecular Weight	510.04
Chemical structure	
Molecular Formula	$C_{28}H_{27}NO_4S \cdot HCl$
CAS Number	82640-04-8
PubChem identifier	54900
SMILES	<chem>Cl.OC1=CC=C(C=C1)C1=C(C(=O)C2=CC=C(OCCN3CCCCC3)C=C2)C2=CC=C(O)C=C2S1</chem>
InChiKey	BKXVVCILCIUCLG-UHFFFAOYSA-N

References

Antagonists selective for estrogen receptor alpha.

Sun J *et al* (2002) Endocrinology 143(3)

PubMedID [11861516](#)

Mechanism of action and preclinical profile of raloxifene, a selective estrogen receptor modulation.

Bryant HU (2001) Rev Endocr Metab Disord 2(1)

PubMedID 11704975

Raloxifene Induces Autophagy-Dependent Cell Death in Breast Cancer Cells via the Activation of AMP-Activated Protein Kinase.

Kim DE *et al* (2015) Mol Cells 38(2)

PubMedID 25537862
