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## DATASHEET

Raloxifene hydrochloride

### Product overview

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

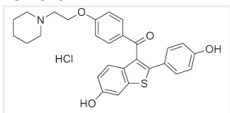
### Biological Data

<b>Biological description</b>	Selective estrogen receptor modulator ( $K_i$ values are 0.38 and 5.6 nM at $E_{\alpha}$ and $E_{\beta}$ 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

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

### Chemical Data

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

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