

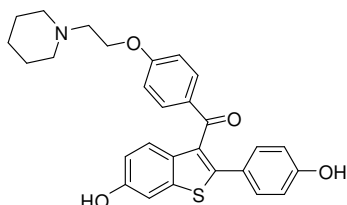


Certificate of Analysis

Axon Catalogue ID: 3250 **Batch Number:** 1
Product Name: Raloxifene
Alternative Name(s): LY139481

IUPAC Name: (6-Hydroxy-2-(4-(4-hydroxyphenyl)benzo[b]thiophen-3-yl)(4-(2-(piperidin-1-yl)ethoxy)phenyl)methanone

Structure:



Amount:

CAS number(s): 84449-90-1
Molecular Formula: C₂₈H₂₇NO₄S **Molecular Weight:** 473.58
Batch Molecular Formula: C₂₈H₂₇NO₄S.0.5H₂O **Batch Molecular Weight:** 482.59
Appearance: Yellow solid **Observed mp:** 144 - 146 °C
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.69, H 5.85, N 2.90; Found: C 69.34, H 5.62, N 3.06
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	5.0	10.4	* Warming (40°C)
DMSO	48.3	>100 mM	
EtOH			Not Tested

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 10-12-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only