

Product Name: Bazedoxifene acetate

Catalog No.: 5263

Batch No.: 1

CAS Number: 198481-33-3

IUPAC Name: 1-[[4-[2-(Hexahydro-1*H*-azepin-1-yl)ethoxy]phenyl]methyl]-2-(4-hydroxyphenyl)-3-methyl-1*H*-indol-5-ol acetate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₀H₃₄N₂O₃·C₂H₄O₂

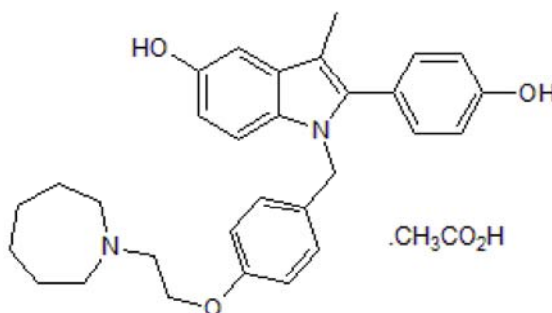
Batch Molecular Weight: 530.65

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	72.43	7.22	5.28
Found	72.45	7.22	5.3

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Bazedoxifene acetate is a potent selective estrogen receptor modulator (SERM) (IC₅₀ values are 26 and 99 nM for ER α and ER β respectively). Inhibits 17 β -estradiol-induced proliferation in MCF-7 cells. Co-treatment with Raloxifene (Cat. No. 2280) completely abolishes raloxifene-induced stimulation of luminal epithelial cells and myometrium.

Physical and Chemical Properties:

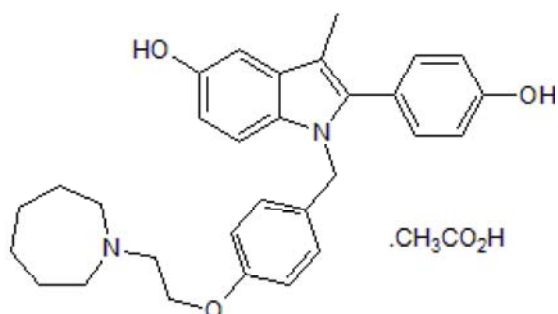
Batch Molecular Formula: C₃₀H₃₄N₂O₃·C₂H₄O₂

Batch Molecular Weight: 530.65

Physical Appearance: White solid

Minimum Purity: \geq 98%

Batch Molecular Structure:



References:

Komm et al (2005) Bazedoxifene acetate: a selective estrogen receptor modulator with improved selectivity. *Endocrinology* **146** 3999. PMID: 15961563.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold for research purposes under agreement from Pfizer Inc.

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