Product Name: Bazedoxifene acetate  
Catalog No.: 5263  
Batch No.: 1  
CAS Number: 198481-33-3  
IUPAC Name: 1-[[4-[2-[(1H-azepin-1-yl)ethoxy]phenyl]methyl]-2-(4-hydroxyphenyl)-3-methyl-1H-indol-5-ol acetate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{30}\text{H}_{34}\text{N}_2\text{O}_3\cdot\text{C}_2\text{H}_4\text{O}_2 \)

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:

![Batch Molecular Structure Image]

2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

\(^1\text{H} \text{NMR:}\) 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
Product Name: Bazedoxifene acetate
Catalog No.: 5263
Batch No.: 1

CAS Number: 198481-33-3
IUPAC Name: 1-[[4-[2-(Hexahydro-1H-azepin-1-yl)ethoxy]phenyl]methyl]-2-(4-hydroxyphenyl)-3-methyl-1H-indol-5-ol acetate

Description:
Bazedoxifene acetate is a potent selective estrogen receptor modulator (SERM) (IC_{50} values are 26 and 99 nM for ERα and ERβ respectively). Inhibits 17β-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: C_{30}H_{44}N_{2}O_{3}C_{2}H_{4}O_{2}
Batch Molecular Weight: 530.65
Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:

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.

References: