1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{30}H_{34}N_2O_3 \cdot C_2H_4O_2 \)

Batch Molecular Weight: 530.65

Physical Appearance: White solid

Solubility:
- DMSO to 100 mM
- Ethanol to 20 mM

Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:
- Carbon: Theoretical 72.43, Found 72.45
- Hydrogen: Theoretical 7.22, Found 7.22
- Nitrogen: Theoretical 5.28, Found 5.3
**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:**
Potent selective estrogen receptor modulator (SERM) (IC₅₀ 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: C₉₀H₉₃N₂O₆C₂H₃O₂
Batch Molecular Weight: 530.65
Physical Appearance: White solid
Minimum Purity: >98%

**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.

**References:**
PMID: 15961563.