

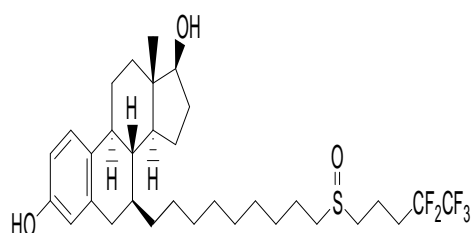
## CERTIFICATE OF ANALYSIS

Reference Substance

Date:

**Fulvestrant Beta isomer Impurity /7-Beta Fulvestrant**

Batch No.:

 IUPAC Name: Estra-1,3,5(10)-triene-3,17-diol,7-[9-[(4,4,5,5,5-pentafluoropentyl)sulfinyl]nonyl]-(7 $\alpha$ ,17 $\beta$ ); (7 $\beta$ ,17 $\beta$ )-7-[9-[(4,4,5,5,5-Pentafluoropentyl)sulfinyl]nonyl]estra-1,3,5(10)-triene-3,17-diol; Fulvestrant Impurity A; Fulvestrant  $\beta$ -isomer

 Molecular Formula: C<sub>32</sub>H<sub>47</sub>F<sub>5</sub>O<sub>3</sub>S

Molecular weight: 606.77g/mol

| Sr.# | Test           | Results       | Data ref.             |
|------|----------------|---------------|-----------------------|
| 1    | Appearance     | Sticky Solid. | -----                 |
| 2    | Purity by HPLC | 94.41%        | Chromatogram attached |
| 3    | Mass           | Conform       | Report attached       |
| 4    | H NMR          | Conform       | Report attached       |
| 5    | IR             | Conform       | Report attached       |

**Storage Condition:** store at 2-8°C, protect from direct sunlight and moisture.

This certificate of analysis is valid for two years from date of manufacturing, provided the substance is stored under suitable conditions.

**Manufacturing date:**
**Retest date:**
**Document data reference:**
*Prepared by*
*Reviewed by*
*Approved by*