

# CERTIFICATE OF ANALYSIS

(Certificate No. KMF004012-01)

Release Date: 09/07/2026

Re-test Date: 08/07/2029

## FULVESTRANT EP IMPURITY B

### Identification

**Chemical Name :**

7 $\alpha$ -[9-[(4,4,5,5,5-pentafluoropentyl)sulfonyl]nonyl]estra-1,3,5(10)-triene-3,17 $\beta$ -diol (as per EP) ; 7 $\alpha$ -{9-[(4,4,5,5,5-Pentafluoropentyl)sulfonyl]nonyl}estra-1,3,5(10)-triene-3,17 $\beta$ -diol (as per USP)

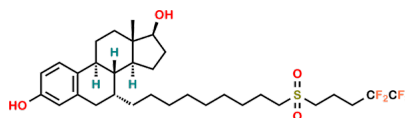
**Alt. Name** : Fulvestrant 9-Sulfone

**CAT No.** : KMF004012

**CAS No.** : 98008-06-1

**Molecular Formula** : C<sub>32</sub>H<sub>47</sub>F<sub>5</sub>O<sub>4</sub>S

**Molecular Weight** : 622.8



### Analytical Information

**Batch No.** : F004012-136-090

**Description** : Light Brown Solid

**HPLC Purity** : 94.19 %

**Weight Loss By TGA** : 0.82 %

**% Potency** : 93.42 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.82(Weight Loss By TGA)] x [94.19(HPLC Purity)]/100 = 93.42 %

**Recommendation** : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 09/07/2026 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 09/07/2026 |

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA