Product Datasheet

Bifluranol

Catalog No. **BP-02066** · CAS **34633-34-6** · Form **free base** · Physical state **solid** · Color **white to off-white** · Version **1.0** · Revision **2026-09-14**

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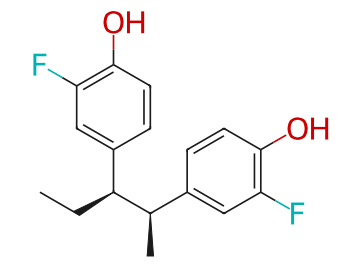
Target	Research area
Androgen Receptor	**Metabolic Disease**

Molecular formula	**$C_{17}H_{18}F_2O_2$**
Molecular weight	**292.3204**

STRUCTURE



DESCRIPTION

Bifluranol (BX341) is an anti-androgen.

BIOLOGICAL ACTIVITY

In Vivo

The absorption, distribution and excretion of Bifluranol have been studied in mouse, rat, ferret and dog; Bifluranol is readily absorbed following oral administration, but blood concentrations of Bifluranol are low due to hepatic uptake and biliary excretion. After intravenous administration of [3H]Bifluranol to rats (200 μg/kg) and ferrets (60 μg/kg) the blood concentrations of 3H decreases rapidly for the first 2 to 3 h, with the decrease being more rapid in females (18 min for rat, 30 min for ferret) than males (1.0 h for rat, 1.4 h for ferret). This is followed by a much slower decline (40 h for rat, 20 h for ferret) to concentrations at 96 h of less than 15 ng Bifluranol equivalents mL-1 (rat) or 1 ng Bifluranol equivalents mL-1 (ferret).

SOLUBILITY

Soluble in DMSO : 100 mg/mL

REFERENCES

[1]. Pope DJ, et al. Bifluranol, a novel fluorinated bibenzyl anti-androgen, its chemistry and disposition in different animal species. J Pharm Pharmacol. 1981 May;33(5):297-301.