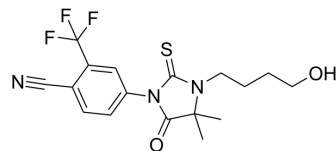


RU 59063

| | |
|--------------------|---|
| Cat. No.: | HY-117953 |
| CAS No.: | 155180-53-3 |
| Molecular Formula: | C ₁₇ H ₁₈ F ₃ N ₃ O ₂ S |
| Molecular Weight: | 385.4 |
| Target: | Prostaglandin Receptor |
| Pathway: | GPCR/G Protein |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

RU 59063 is an N-substituted arylthiohydantoin compound with antiandrogenic activity and high relative binding affinity for the rat androgen receptor. RU 59063 is a nonsteroidal androgen receptor that functions as a radioactive AR radioprobe (K_i: 0.71 nM, rAR) when its trifluoromethyl group is replaced by a similar hydrophobic iodine atom^{[1][2]}.

REFERENCES

- [1]. Teutsch G, et al. Non-steroidal antiandrogens: synthesis and biological profile of high-affinity ligands for the androgen receptor. *J Steroid Biochem Mol Biol.* 1994 Jan;48(1):111-9.
- [2]. Van Dort ME, et al. Design, synthesis, and pharmacological characterization of 4-[4, 4-dimethyl-3-(4-hydroxybutyl)-5-oxo-2-thio-1-imidazolidinyl]-2-iodobenzonitrile as a high-affinity nonsteroidal androgen receptor ligand. *J Med Chem.* 2000 Aug 24;43(17):3344-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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