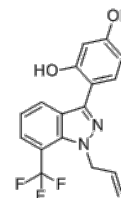


Product Name : WAY-169916
Cat. No. : PC-38514
CAS No. : 669764-18-5
Molecular Formula : C₁₉H₁₇F₃N₂O₂
Molecular Weight : 362.352
Target : Estrogen Receptor/ERR
Solubility : 10 mM in DMSO



Biological Activity

WAY-169916 is an orally active pathway-selective estrogen receptor (ER) ligand, inhibiting NF-κB transcriptional activity (IC₅₀=93 nM), but is devoid of conventional estrogenic activity.

WAY-169916 does not promote the classic actions of estrogens such as stimulation of uterine proliferation or ER-mediated gene expression.

WAY-169916 is a potent antiinflammatory agent, as demonstrated in the HLA-B27 transgenic rat model of inflammatory bowel disease.

WAY-169916 inhibits nuclear factor-kappa B transcriptional activity in models of rheumatoid arthritis.

References

Steffan RJ, et al. J Med Chem. 2004 Dec 16;47(26):6435-8.

Chadwick CC, et al. Proc Natl Acad Sci U S A. 2005 Feb 15;102(7):2543-8.

Keith JC Jr, et al. Arthritis Res Ther. 2005;7(3):R427-38.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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