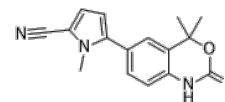


Product Name : Tanaproget
Cat. No. : PC-27686
CAS No. : 304853-42-7
Molecular Formula : C₁₆H₁₅N₃OS
Molecular Weight : 297.38
Target : Progesterone Receptor
Solubility : 10 mM in DMSO



Biological Activity

Tanaproget (NSP-989, WAY-166989) is a potent and selective, nonsteroidal progesterone receptor (PR) agonist with EC₅₀ of 0.15 nM, displaces [³H]R5020 (synthetic steroidal progestin) binding to the human PR with IC₅₀ of 1.7 nM.

Tanaproget promotes PR and SRC-1 interaction in mammalian cells.

Tanaproget shows 0.3-0.5 nM affinity for monkey, rat, and rabbit PR.

Tanaproget does not exhibit any agonist activity against other steroid receptors ER, AR, and GR.

References

Zhang Z, et al. J Biol Chem. 2005 Aug 5;280(31):28468-75.

Fensome A, et al. J Med Chem. 2005 Aug 11;48(16):5092-5.

Bapst JL, et al. Contraception. 2006 Nov;74(5):414-8.

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

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