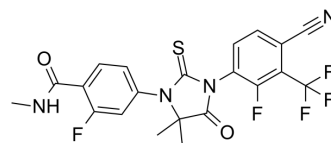


Androgen receptor antagonist 2

Cat. No.:	HY-145451
CAS No.:	1272719-00-2
Molecular Formula:	C ₂₁ H ₁₅ F ₅ N ₄ O ₂ S
Molecular Weight:	482.43
Target:	Androgen Receptor
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Androgen receptor antagonist 2 (example 12) is an androgen receptor antagonist. Androgen receptor antagonist 2 can be used for prostate cancer and male hair loss research ^[1] .								
In Vitro	<p>Androgen receptor antagonist 2 (example 12) inhibits PSA production with an IC₅₀ of 0.28 μM in LNCaP cells^[1]. Androgen receptor antagonist 2 (2.5 μM, 48 h) inhibits prostate cancer cells viability^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>LNCaP and 22RV1 cells</td> </tr> <tr> <td>Concentration:</td> <td>2.5 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell viability with inhibition rates of 86% and 61% for LNCaP and 22RV1 cells, respectively.</td> </tr> </table>	Cell Line:	LNCaP and 22RV1 cells	Concentration:	2.5 μM	Incubation Time:	48 h	Result:	Inhibited cell viability with inhibition rates of 86% and 61% for LNCaP and 22RV1 cells, respectively.
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Result:	Inhibited cell viability with inhibition rates of 86% and 61% for LNCaP and 22RV1 cells, respectively.								
In Vivo	<p>Androgen receptor antagonist 2 (example 12) (0.2% and 1% concentration, 20 mL/mouse; topical application; twice daily for 4 weeks) promotes hair growth in mice^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Six-to 8-wk-old male C57BL/6 mice in the telogen stage of the hair cycle, weighing 15-20 g [1]</td> </tr> <tr> <td>Dosage:</td> <td>0.2% and 1% concentration, 20 mL/mouse (0.04 and 0.2 mg/mouse)</td> </tr> <tr> <td>Administration:</td> <td>Topical application, twice daily for 4 weeks</td> </tr> <tr> <td>Result:</td> <td>Stimulated hair growth in dose dependent patterns.</td> </tr> </table>	Animal Model:	Six-to 8-wk-old male C57BL/6 mice in the telogen stage of the hair cycle, weighing 15-20 g [1]	Dosage:	0.2% and 1% concentration, 20 mL/mouse (0.04 and 0.2 mg/mouse)	Administration:	Topical application, twice daily for 4 weeks	Result:	Stimulated hair growth in dose dependent patterns.
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Administration:	Topical application, twice daily for 4 weeks								
Result:	Stimulated hair growth in dose dependent patterns.								

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA