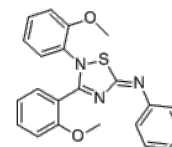


Product Name : JNJ-10229570
Cat. No. : PC-35970
CAS No. : 524923-88-4
Molecular Formula : C₂₂H₁₉N₃O₂S
Molecular Weight : 389.47
Target : Melanocortin Receptor
Solubility : 10 mM in DMSO



Biological Activity

JNJ-10229570 (JNJ10229570) is a novel potent, selective melanocortin receptor **MC1R** and **MC5R** antagonist with binding IC₅₀ of 270 nM and 200 nM, respectively.

JNJ-10229570 dose dependently inhibited the production of sebaceous lipids in cultured primary human sebocytes. Topical treatment with JNJ-10229570 of human skins transplanted onto SCID mice resulted in a marked decrease in sebum-specific lipid production, sebaceous gland's size and the expression of the sebaceous differentiation marker epithelial-membrane antigen (EMA).

References

Eisinger M, et al. *J Dermatol Sci*. 2011 Jul;63(1):23-32. doi: 10.1016/j.jdermsci.2011.04.001.

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

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