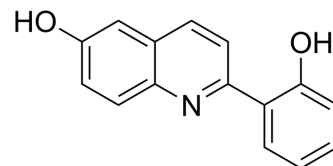


12R-LOX-IN-1

Cat. No.:	HY-155243
CAS No.:	857758-13-5
Molecular Formula:	C ₁₅ H ₁₁ NO ₂
Molecular Weight:	237
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

12R-LOX-IN-1 (Compound 4a) is a 12R-LOX inhibitor (IC₅₀: 28.25 μM). 12R-LOX-IN-1 inhibits the hyper-proliferative state and colony forming potential of Imiquimod (HY-B0180)-induced psoriatic keratinocytes. 12R-LOX-IN-1 inhibits reactive oxygen species, Ki67, IL-17A, TNF-α and IL-6 production. 12R-LOX-IN-1 can be used for antipsoriatic research^[1].

REFERENCES

[1]. Bhuktar H, et al. Design, synthesis and evaluation of 2-aryl quinoline derivatives against 12R-lipoxygenase (12R-LOX): Discovery of first inhibitor of 12R-LOX. Bioorg Chem. 2023 Sep;138:106606.

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

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