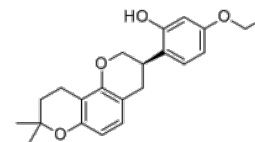


Product Name : Vutiglabridin
Cat. No. : PC-73455
CAS No. : 1800188-47-9
Molecular Formula : C₂₂H₂₆O₄
Molecular Weight : 354.446
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Vutiglabridin (HSG4112) is a synthetic structural analog of glabridin and **insulin sensitizer**, novel anti-obesity agent. HSG4112 dose-dependently reduces body weight and normalizes obesity-related parameters in HFD-induced obese mice orally administered with 10, 30, or 100 mg/kg dose for 6 weeks.

HSG4112 enhances energy expenditure in HFD-induced obese mice.

HSG4112 regulates metabolic gene expression toward increased energy expenditure in liver and muscles.

HSG4112 ameliorates fatty liver in HFD-induced obese mice orally administered with 100 mg/kg dose for 6 weeks

References

Choi LS, et al. *Int J Obes (Lond)*. 2021 Jan;45(1):130-142.

Bae IY, et al. *Pharmaceutics*. 2020 Feb 3;12(2):127.

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

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