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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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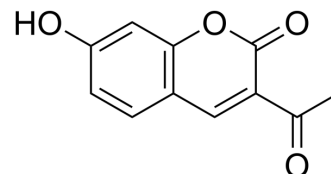
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3-Acetyl-7-Hydroxycoumarin

Cat. No.:	HY-W267205
CAS No.:	10441-27-7
Molecular Formula:	C ₁₁ H ₈ O ₄
Molecular Weight:	204.18
Target:	17β-HSD
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-Acetyl-7-Hydroxycoumarin (Compound 2) is a high selective 17-beta-hydroxysteroid dehydrogenase type 1 (17β-HSD1) inhibitor. 3-Acetyl-7-Hydroxycoumarin shows a significant improvement of the inhibitory potency, with 57% inhibition of 17 β-HSD1 at 6 μM. 3-Acetyl-7-Hydroxycoumarin is promising for research of hormone-dependent diseases, such as breast cancer and endometriosis^[1].

REFERENCES

[1]. Starcević S, et al. Synthesis and biological evaluation of (6- and 7-phenyl) coumarin derivatives as selective nonsteroidal inhibitors of 17β-hydroxysteroid dehydrogenase type 1. J Med Chem. 2011 Jan 13;54(1):248-61.

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

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