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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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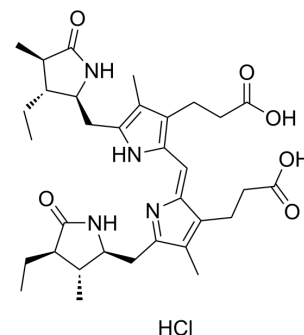
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Stercobilin hydrochloride (mixture of isomers)

Cat. No.:	HY-159669
CAS No.:	13129-80-1
Molecular Formula:	C ₃₃ H ₄₇ ClN ₄ O ₆
Molecular Weight:	631.2
Target:	HIV Protease
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Stercobilin hydrochloride (a mixture of isomers) is a bile pigment metabolized by gut bacteria, and it's also an HIV protease inhibitor, with a K_i of 4 μ M. Stercobilin hydrochloride (a mixture of isomers) can induce pro-inflammatory activity in mouse macrophage RAW264 cells, including the production of TNF- α and IL-1 β . Stercobilin hydrochloride (a mixture of isomers) can be used in studies of inflammation and viral infections^{[1][2]}.

REFERENCES

- [1]. Sanada S, et al. Intestinal microbial metabolite stercobilin involvement in the chronic inflammation of ob/ob mice. Sci Rep. 2020 Apr 15;10(1):6479.
- [2]. McPhee F, Caldera PS, Bemis GW, McDonagh AF, Kuntz ID, Craik CS. Bile pigments as HIV-1 protease inhibitors and their effects on HIV-1 viral maturation and infectivity in vitro. Biochem J. 1996 Dec 1;320 (Pt 2)(Pt 2):681-6.

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

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