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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

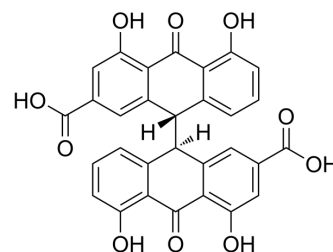
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Sennidin B

| | |
|---------------------------|---|
| Cat. No.: | HY-N6935 |
| CAS No.: | 517-44-2 |
| Molecular Formula: | C ₃₀ H ₁₈ O ₁₀ |
| Molecular Weight: | 538.46 |
| Target: | HCV; Akt; GLUT |
| Pathway: | Anti-infection; PI3K/Akt/mTOR; Membrane Transporter/Ion Channel |
| Storage: | 4°C, protect from light |

* The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (92.86 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|-----------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 1.8571 mL | 9.2857 mL | 18.5715 mL |
| | 5 mM | 0.3714 mL | 1.8571 mL | 3.7143 mL |
| | 10 mM | 0.1857 mL | 0.9286 mL | 1.8571 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Sennidin B, a stereoisomer isolated from the leaves of *Cassia angustifolia*, has lower activity than Sennidin A. Sennidin A inhibits HCV NS3 helicase, with an IC₅₀ of 0.8 μM. Sennidin A induces phosphorylation of Akt and glucose transporter 4 (GLUT4) translocation. Sennidin A stimulates the glucose incorporation [1][2].

IC₅₀ & Target

GLUT4

HCV NS3

REFERENCES

- [1]. Furuta A, et al. Identification of Hydroxyanthraquinones as Novel Inhibitors of Hepatitis C Virus NS3 Helicase. *Int J Mol Sci.* 2015 Aug 7;16(8):18439-53.
- [2]. Daigo Abe, et al. Sennidin stimulates glucose incorporation in rat adipocytes. *Life Sciences.* 2006.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA