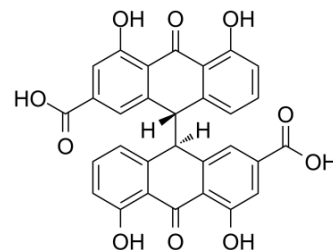


Sennidin B

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 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Sennidin B, a stereoisomer isolated from the leaves of <i>Cassia angustifolia</i> , has lower activity than Sennidin A. Sennidin A inhibits HCV NS3 helicase, with an IC ₅₀ 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	Akt	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