



# SZABO SCANDIC

Part of Europa Biosite

## 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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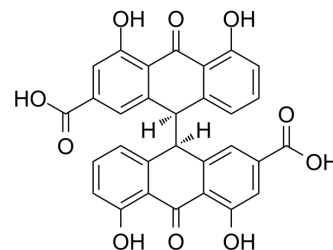
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Sennidin A

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N6936                                                                                  |
| CAS No.:           | 641-12-3                                                                                  |
| Molecular Formula: | C <sub>30</sub> H <sub>18</sub> O <sub>10</sub>                                           |
| Molecular Weight:  | 538.46                                                                                    |
| Target:            | HCV; Akt; GLUT                                                                            |
| Pathway:           | Anti-infection; PI3K/Akt/mTOR; Membrane Transporter/Ion Channel                           |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                                                                                                    |     |         |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|
| Description               | Sennidin A, isolated from the leaves of <i>Cassia angustifolia</i> , inhibits HCV NS3 helicase, with an IC <sub>50</sub> of 0.8 μM. Sennidin A induces phosphorylation of Akt and glucose transporter 4 (GLUT4) translocation. Sennidin A stimulates the glucose incorporation <sup>[1][2]</sup> . |     |         |
| IC <sub>50</sub> & 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.**

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