



# 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

### SZABO-SCANDIC HandelsgmbH

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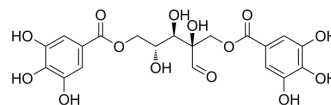
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## Hamamelitannin

Cat. No.:	HY-N4117
CAS No.:	469-32-9
Molecular Formula:	C <sub>20</sub> H <sub>20</sub> O <sub>14</sub>
Molecular Weight:	484.36
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Hamamelitannin, a polyphenol extracted from the bark of <i>Hamamelis virginiana</i> , is a quorum-sensing (QS) inhibitor. Hamamelitannin increases antibiotic susceptibility of staphylococcus aureus biofilms by affecting peptidoglycan biosynthesis and eDNA release <sup>[1][2]</sup> .
<b>In Vitro</b>	Hamamelitannin displays specific cytotoxic activity against colon cancer cells <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Kiran MD, et al. Discovery of a quorum-sensing inhibitor of drug-resistant staphylococcal infections by structure-based virtual screening. *Mol Pharmacol*. 2008 May;73(5):1578-86.
- [2]. Cobrado L, et al. In vivo antibiofilm effect of cerium, chitosan and hamamelitannin against usual agents of catheter-related bloodstream infections. *J Antimicrob Chemother*. 2013 Jan;68(1):126-30.
- [3]. Sánchez-Tena S, et al. Hamamelitannin displays specific cytotoxic activity against colon cancer cells. *J Nat Prod*. 2012 Jan 27;75(1):26-33.

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

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