



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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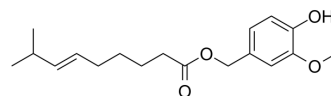
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Capsiate

Cat. No.:	HY-N8377
CAS No.:	205687-01-0
Molecular Formula:	C ₁₈ H ₂₆ O ₄
Molecular Weight:	306.4
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (326.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		3.2637 mL	16.3185 mL	32.6371 mL
	5 mM		0.6527 mL	3.2637 mL	6.5274 mL
	10 mM		0.3264 mL	1.6319 mL	3.2637 mL

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

BIOLOGICAL ACTIVITY

Description

Capsiate, as a capsaicin analogue extracted from a non-pungent cultivar of CH-19 sweet red pepper, is an orally active agonist of TRPV1^[1].

IC₅₀ & Target

TRPV1

In Vitro

Capsiate evokes current responses in HEK293 cells expressing TRPV1^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

Capsiate does not exhibit irritancy-related effects on the oral cavity or eye^[1].
Capsiate (0.03~0.54 mM; s.c.) induces nociceptive responses in mice^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model: Male ddY-strain mice (20–24 g) ^[1]

Dosage: 0.5 or 5 mM

Administration:	P.o.
Result:	Did not cause pungency-related behaviors.

REFERENCES

[1]. Iida T, et al. TRPV1 activation and induction of nociceptive response by a non-pungent capsaicin-like compound, capsiate. *Neuropharmacology*. 2003;44(7):958-967.

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

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