

Product Data Sheet

Product Name: (Z)-Capsaicin

Cat. No.: GC35010

Chemical Properties

Cas. No. 25775-90-0

SMILES CC(C)/C=C\CCCC(NCC1=CC=C(OC)C(OC)=C1)=O

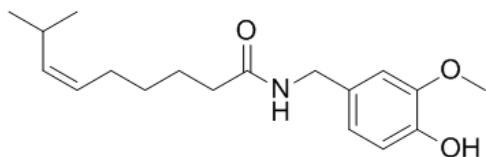
Formula $C_{18}H_{27}NO_3$ M.Wt 305.41

Solubility DMSO: ≥ 125 mg/mL (409.29 mM) Storage Store at -20°C , protect from light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

(Z)-Capsaicin is the cis isomer of capsaicin, acts as an orally active TRPV1 agonist, and is used in the research of neuropathic pain. TRPV1 receptor[1]

(Z)-Capsaicin is the cis isomer of capsaicin, acting as a TRPV1 agonist. (Z)-Capsaicin may also blocks the neuronal calcium channel[1].

(Z)-Capsaicin (Zucapsaicin) significantly attenuates nociceptive behavior after oral administration in

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

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rats. (Z)-Capsaicin is also tolerated in the primary or recurrent experimental genital herpes simplex virus infection in guinea pigs[1].

[1]. Bourne N, et al. Civamide (cis-capsaicin) for treatment of primary or recurrent experimental genital herpes. Antimicrob Agents Chemother. 1999 Nov;43(11):2685-8.

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