Catalog # 10-2298
Capsaicin, natural
CAS# 404-86-4
8-Methyl-N-vanillyl-trans-6-nonenamide
Lot # Z102133

Capsaicin is a vanilloid agonist known to activate the transient receptor potential channel vanilloid subfamily member 1 (TRPV1)\textsuperscript{1,2} and to possess analgesic\textsuperscript{3}, anti-inflammatory\textsuperscript{4} and hypolocomotor effects\textsuperscript{5}.


PHYSICAL DATA

Molecular Weight: 305.41
Molecular Formula: C\textsubscript{18}H\textsubscript{27}NO\textsubscript{3}
Purity: >98% natural mixture of capsaicin and dihydrocapsaicin which is unresolvable by TLC
(TLC: 5% MeOH/methylene chloride; Rf= 0.33)
Solubility: Ethanol (up to 25 mg/ml)
Physical Description: Off-white solid
Storage and Stability: SEVERE IRRITANT! HANDLE WITH CARE! Store as supplied at room temperature for up to one year from the date of purchase. Solutions in ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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