



CERTIFICATE of ANALYSIS

PRODUCT:	Capsaicin [TRVP1 agonist] C ₁₈ H ₂₇ NO ₃ , M.W. 305.4, CAS# [404-86-4]
PRODUCT NUMBER:	C-1095
LOT NUMBER:	C1152
APPEARANCE:	Off-white solid
SOLUBILITY:	Soluble in 100% ethanol, methanol or chloroform. Sparingly soluble in water.
PURITY (TLC):	≥ 99%
SOURCE/HOST:	Isolated from <i>Capsicum</i> fruit.
PRODUCT INFORMATION:	Capsaicin is an agonist at the TRPV1 receptor, a ligand-gated non-selective cation channel. Exhibits neuroprotective effects in a model of transient global cerebral ischemia. Induces release of substance P from afferent nociceptive specific neurons. Constituent of cayenne pepper. Powerful excitant of peripheral sensory nerve endings, specifically unmyelinated afferent neurons (C-fibers). Reversibly inhibits aggregation of platelets.
STORAGE & HANDLING:	Keep cool and dry at +20°C. Solutions are stable for up to 3 months when stored at -20°C. <u>WARNING:</u> TOXIC! IRRITANT! CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD