

# Zaltoprofen

Catalog No: tcsc2855



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

74711-43-6

**Formula:**

$C_{17}H_{14}O_3S$

**Pathway:**

Immunology/Inflammation

**Target:**

COX

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (335.17 mM)

**Alternative Names:**

CN100

**Observed Molecular Weight:**

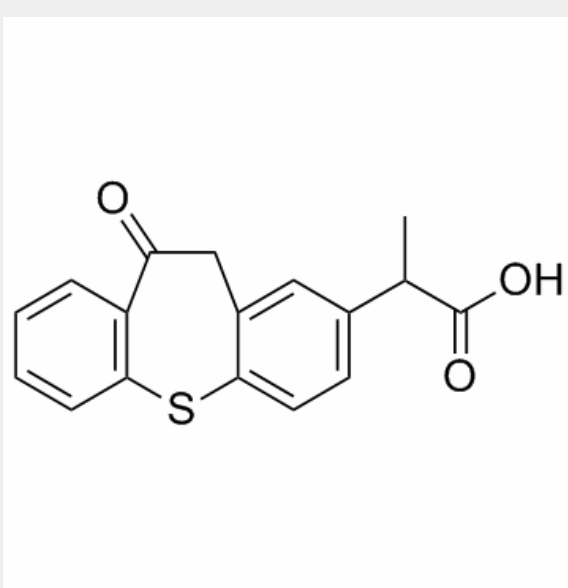
298.36

## Product Description

Zaltoprofen(CN100) is an inhibitor of COX for treatment of arthritis.

Target: COX

Zaltoprofen, a preferential COX-2 inhibitor, exhibited a potent inhibitory action on the nociceptive responses induced by a retrograde infusion of bradykinin into the right common carotid artery in rats. Zaltoprofen had a moderate inhibitory effect compared with those of the above-mentioned NSAIDs. the inhibitory effect of zaltoprofen on bradykinin-induced nociceptive responses is not explainable by the inhibition of cyclooxygenase (COX). Zaltoprofen did not bind to B(1) and B(2) receptors in a radio-ligand binding assay. In the cultured dorsal root ganglion cells of mature mice, zaltoprofen completely inhibited the bradykinin-induced increase of  $[Ca^{2+}]_i$ , which was inhibited by B(2) antagonist D-Arg-[Hyp(3), Thi(5,8), D-Phe(7)]-bradykinin, but not by B(1) antagonist. [1].



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