

Product Name : Capsazepine

Synonyms : —

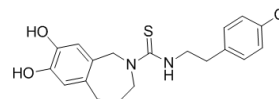
Cat No. : M20641

CAS Number : 138977-28-3

Molecular Formula : C₁₉H₂₁ClN₂O₂S

Formula Weight : 376.9

Chemical Name : N-[2-(4-Chlorophenyl)ethyl]-1345-tetrahydro-78-dihydroxy-2H-2-benzazepine-2-carbothioamide



Description : Capsazepine is an antagonist of TRPV1 receptor (IC₅₀ : 562 nM). Capsazepine blocks the painful sensation of heat caused by capsaicin (the active ingredient of chilli pepper) which activates the TRPV1 ion channel. It is therefore considered to be a capsaicin antagonist.

Pathway : Membrane Transporter/Ion Channel

Target : TRP/TRPV Channel

Receptor : TRPA1

Solubility : DMSO:50 mg/mL (132.66 mM)

SMILES : Oc1cc2CCCN(Cc2cc1O)C(=S)NCCc1ccc(Cl)cc1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Yang MH, Jung SH, Sethi G, et al. Pleiotropic Pharmacological Actions of Capsazepine a Synthetic Analogue of Capsaicin against Various Cancers and Inflammatory Diseases [J]. Molecules. 2019 Mar 12;24(5). pii: E995.