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Niflumic acid

Catalog No: tcsc2614

Available Sizes

Size: 100mg

Specifications

CAS No:
4394-00-7

Formula:
$C_{13}H_9F_3N_2O_2$

Pathway:
Membrane Transporter/Ion Channel

Target:
Chloride Channel

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
282.22

Product Description

Niflumic acid, a Ca2+-activated Cl- channel blocker, is an analgesic and anti-inflammatory agent used in the treatment of rheumatoid arthritis.

Target: Others

niflumic acid, an inhibitor of calcium-activated chloride currents. Niflumic acid does not block directly calcium channels or activate potassium channels. Niflumic acid selectively reduces a component of noradrenaline- and 5-HT-induced pressor responses by inhibiting a mechanism which leads to the opening of voltage-gated calcium channels [1]. Niflumic acid molecule is completely

buried in the substrate-binding hydrophobic channel. The conformations of the binding site in PLA(2) as well as that of niflumic acid are not altered upon binding [2]. Niflumic acid (NFA) produces biphasic behavior on human CLC-K channels that suggests the presence of two functionally different binding sites: an activating site and a blocking site [3].