Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

# Mivotilate

## Catalog No: tcsc0018393

### Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

### Specifications

**CAS No:**
130112-42-4

**Formula:**
$C_{12}H_{14}N_2O_3S_3$

**Pathway:**
Immunology/Inflammation

**Target:**
Aryl Hydrocarbon Receptor

**Purity / Grade:**
>98%

**Solubility:**
10 mM in DMSO

**Alternative Names:**
YH439

**Observed Molecular Weight:**
330.45

## Product Description

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Mivotilate is a nontoxic, potent activator of the **aryl hydrocarbon receptor (AhR)**, and acts as a hepatoprotective agent.

IC50 & Target: Aryl hydrocarbon receptor[1]

***In Vitro:*** Mivotilate is a nontoxic, potent activator of the aryl hydrocarbon receptor. Mivotilate (YH439) has a novel activation mode that tolerates mutation of histidine 285 to tyrosine[1]. Mivotilate induces cytochromes P4501A1/2 (CYP1A1/2) through the aryl hydrocarbon (Ah) receptor[3].

***In Vivo:*** Mivotilate (YH439, 150 mg/kg, p.o.) reduces CYP2E1-mediated NDMA demethylase activity in rats, but shows no obvious effect on NADPH-dependent P450 oxidoreductase activity. Mivotilate (75-300 mg/kg) rapidly decreases immunoreactive CYP2E1 protein. Mivotilate (150 mg/kg, p.o.) inhibits the transcription of CYP2E1 in rats[2].