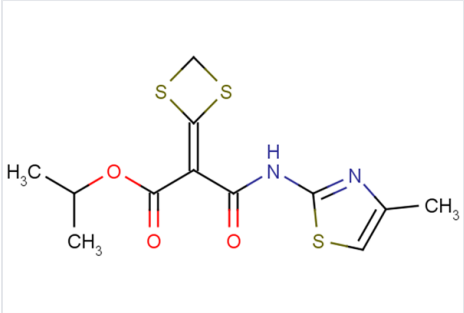
Mivotilate Inhibitor

PRODUCT OVERVIEW

Product Name	Mivotilate, Inhibitor
Full Product Name	Mivotilate
Product Synonym Names	YH439
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	330.45
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Formula	C12H14N2O3S3
SMILES	O=C(OC(C)C)/C(C(NC1=NC(C)=CS1)=O)=C2SCS\2
CAS Number	130112-42-4
Target & IC50	Aryl hydrocarbon receptor
In Vitro	Mivotilate (150mg/kg, p.o.) inhibits the transcription of CYP2E1 in rats. Mivotilate (75-300mg/kg) rapidly decreases immunoreactive CYP2E1 protein. Mivotilate (150mg/kg, p.o.) decreases CYP2E1-mediated NDMA demethylase activity in rats but displays no obvious effect on NADPH-dependent P450 oxidoreductase activity [2].
Product Categories/Family for Mivotilate, inhibitor	Immunology/Inflammation
Related Product Information for Mivotilate, inhibitor	Mivotilate is a nontoxic, potent activator of the aryl hydrocarbon receptor (AhR). It acts as a hepatoprotective agent.
Product References and Citations for Mivotilate, inhibitor	Whelan F, et al. Amino acid substitutions in the aryl hydrocarbon receptor ligand binding domain reveal YH439 as an atypical AhR activator. Mol Pharmacol. 2010 Jun;77(6):1037-46. Whelan F, et al. Amino acid substitutions in the aryl hydrocarbon receptor ligand binding domain reveal YH439 as an atypical AhR activator. Mol Pharmacol. 2010 Jun;77(6):1037-46. Jeong KS, et al. Transcriptional inhibition of cytochrome P4502E1 by a synthetic compound, YH439. Arch Biochem Biophys. 1996 Feb 1;326(1):137-44. Jeong KS, et al. Transcriptional inhibition of cytochrome P4502E1 by a synthetic compound, YH439. Arch Biochem Biophys. 1996 Feb 1;326(1):137-44. Lee IJ, et al. Transcriptional induction of the cytochrome P4501A1 gene by a thiazolium compound, YH439. Mol Pharmacol. 1996 Jun;49(6):980-8. Lee IJ, et al. Transcriptional induction of the cytochrome P4501A1 gene by a thiazolium compound, YH439. Mol Pharmacol. 1996 Jun;49(6):980-8.
Other Notes	Small volumes of Mivotilate, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Mivotilate purchase	MBS5755191 is an inhibitor targeting Mivotilate.



Structure of Mivotilate, inhibitor

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/mivotilate/5755191