

Product Information

AhR inhibitor, Mivotilate, Purity $\geq 98\%$

Cat. No.: X24-09-YM458

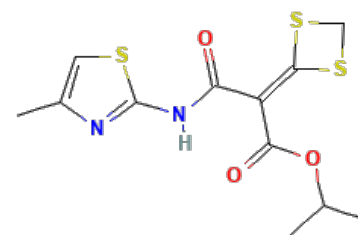
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 130112-42-4

Compound CID: 148185

Synonym: 130112-42-4; YH439; YH 439; YH-439; Propan-2-yl

2-(1,3-dithietan-2-ylidene)-3-[(4-methyl-1,3-thiazol-2-yl)amino]-3-oxopropanoate; AhR inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Mivotilate is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting AhR. The molecular weight of the compound is 330.45, and its molecular formula is $C_{12}H_{14}N_2O_3S_3$.
Molecular Weight	330.45
Molecular Formula	$C_{12}H_{14}N_2O_3S_3$
IUPAC Name	Propan-2-yl 2-(1,3-dithietan-2-ylidene)-3-[(4-methyl-1,3-thiazol-2-yl)amino]-3-oxopropanoate
InChI	InChI=1S/C12H14N2O3S3/c1-6(2)17-10(16)8(11-19-5-20-11)9(15)14-12-13-7(3)4-18-12/h4,6H,5H2,1-3H3,(H,13,14,15)
InChI Key	WOUJWUGULFOVHG-UHFFFAOYSA-N
Canonical SMILES	<chem>CC1=CSC(=N1)NC(=O)C(=C2SCS2)C(=O)OC(C)C</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Mivotilate can be studied extensively for its potential therapeutic applications in the treatment of type 2 diabetes and metabolic disorders by improving glucose metabolism and insulin sensitivity.
Storage	Store at -20°C , and keep desiccated.