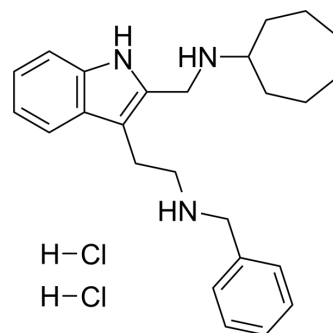


## AXKO-0046 dihydrochloride

<b>Cat. No.:</b>	HY-147216A
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>35</sub> Cl <sub>2</sub> N <sub>3</sub>
<b>Molecular Weight:</b>	448.47
<b>Target:</b>	Lactate Dehydrogenase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (111.49 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.2298 mL	11.1490 mL	22.2980 mL
		<b>5 mM</b>		0.4460 mL	2.2298 mL	4.4596 mL
<b>10 mM</b>		0.2230 mL	1.1149 mL	2.2298 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	AXKO-0046 dihydrochloride, indole derivative, is an uncompetitive Lactate dehydrogenase B (LDHB) selective inhibitor. AXKO-0046 dihydrochloride has LDHB inhibitory activity with an EC <sub>50</sub> value of 42 nM. AXKO-0046 dihydrochloride can be used for the research of cancer metabolism <sup>[1]</sup> .
<b>In Vitro</b>	AXKO-0046 dihydrochloride has LDHB inhibitory activity with an EC <sub>50</sub> value of 42 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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