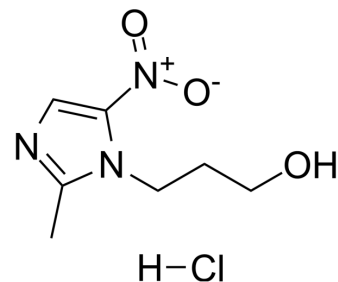


## Ternidazole hydrochloride

<b>Cat. No.:</b>	HY-136436
<b>CAS No.:</b>	70028-95-4
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>12</sub> ClN <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	221.64
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 250 mg/mL (1127.96 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	4.5118 mL	22.5591 mL	45.1182 mL
		5 mM	0.9024 mL	4.5118 mL	9.0236 mL
	10 mM	0.4512 mL	2.2559 mL	4.5118 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: ≥ 2.08 mg/mL (9.38 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (9.38 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (9.38 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Ternidazole hydrochloride is a hydroxymetabolite of nitroimidazole, has antiprotozoic properties <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Nathalie Mahé, et al. Solid-state studies of the triclinic ( $Z' = 2$ ) antiprotozoal drug ternidazole. *J Pharm Sci.* 2011 Jun;100(6):2258-66.
- [2]. Kamila Mitrowska, et al. Development and validation of a liquid chromatography with tandem mass spectrometry method for the determination of nitroimidazole

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

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