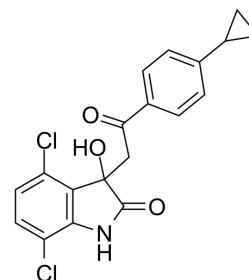


## (+)-TK216

<b>Cat. No.:</b>	HY-122903B		
<b>CAS No.:</b>	1903783-77-6		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>15</sub> Cl <sub>2</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	376.23		
<b>Target:</b>	DNA/RNA Synthesis		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



Rotation (+)

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (265.79 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	2.6579 mL	13.2897 mL	26.5795 mL
	<b>5 mM</b>	0.5316 mL	2.6579 mL	5.3159 mL
	<b>10 mM</b>	0.2658 mL	1.3290 mL	2.6579 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution</li> </ol>			

### BIOLOGICAL ACTIVITY

<b>Description</b>	(+)-TK216 is an enantiomer of TK216 (HY-122903). TK216 is an orally active and potent E26 transformation specific (ETS) inhibitor <sup>[1][2]</sup> .
<b>In Vitro</b>	(+)-TK216 (compound 13; for 3 days) has an IC <sub>50</sub> >5 μM in SKES cells (Ewing Sarcoma cell line) <sup>[1]</sup> . (+)-TK216 has T <sub>1/2</sub> s of 103.4 mins, 3.6 mins, 26.6 mins and 8.4 mins for human, rat, mouse, dog liver microsomes <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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- [1]. Spriano F, et al. The ETS Inhibitors YK-4-279 and TK-216 Are Novel Antilymphoma Agents. Clin Cancer Res. 2019 Aug 15;25(16):5167-5176.
- [2]. Jean-Michael Vernier, et al. Indolinone compounds and uses thereof. WO2016057698A1.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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