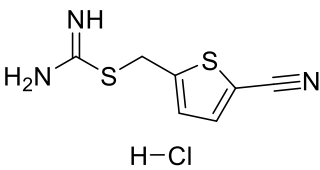




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
504212	TPT197 HCl	ZY21126

<b>Chemical name</b>	
(5-cyanothiophen-2-yl)methyl carbamimidothioate hydrochloride	
<b>Synonyms</b>	
TPT197; TPT197; TPT 197 HCl, Thiophene-thiourea derivative	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 504212 Name: TPT197 HCl CAS#: unknown Lot#: ZY21126 Chemical Formula: C <sub>7</sub> H <sub>8</sub> ClN <sub>3</sub> S <sub>2</sub> Molecular Weight: 233.73  TPT-197 (free base) Chemical Formula: C <sub>7</sub> H <sub>7</sub> N <sub>3</sub> S <sub>2</sub> Exact Mass: 197.00814, Molecular Weight: 197.28

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	White to off white solid powder
<b>Structure</b>	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
<b>Purity</b>	>98.0%
<b>Solubility</b>	Soluble in water
<b>Conclusion</b>	This product conforms with MedKoo's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 3 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**