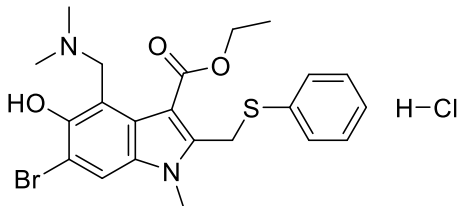




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
319804	Umifenovir HCl	C20R04B28

<b>Chemical name</b>	
ethyl 6-bromo-4-((dimethylamino)methyl)-5-hydroxy-1-methyl-2-((phenylthio)methyl)-1H-indole-3-carboxylate hydrochloride	
<b>Synonyms</b>	
Umifenovir; Umifenovir HCl; Umifenovir hydrochloride; arbidol.	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 319804 Name: Umifenovir HCl CAS#: 131707-23-8 (HCl) Lot#: C20R04B28 Chemical Formula: C <sub>22</sub> H <sub>26</sub> BrClN <sub>2</sub> O <sub>3</sub> S Molecular Weight: 513.88

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	Off-white to pale yellow 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 (HPLC)</b>	>99.0%
<b>Solubility</b>	Soluble in DMSO
<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 5 years if properly stored.

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