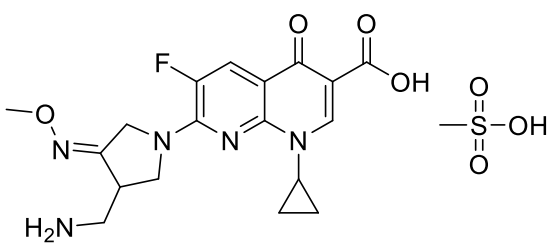


# Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
317968	Gemifloxacin Mesylate	A21K03S22

<b>Chemical name</b>	
7-[(4Z)-3-(aminomethyl)-4-methoxyiminopyrrolidin-1-yl]-1-cyclopropyl-6-fluoro-4-oxo-1,8-naphthyridine-3-carboxylic acid; methanesulfonic acid	
<b>Synonyms</b>	
Gemifloxacin Mesylate; Factive; LB-20304a; SB-265805-S; LB 20304; LB-20304; LB20304; SB 265805; SB-265805	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 317968 Name: Gemifloxacin Mesylate CAS#: 210353-53-0 (mesylate) Lot#: A21K03S22 Chemical Formula: C <sub>19</sub> H <sub>24</sub> FN <sub>5</sub> O <sub>7</sub> S Exact Mass: 485.1380 Molecular Weight: 485.49

Analysis item	Specifications / Results
<b>Appearance</b>	Beige 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>	>98.0%
<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**