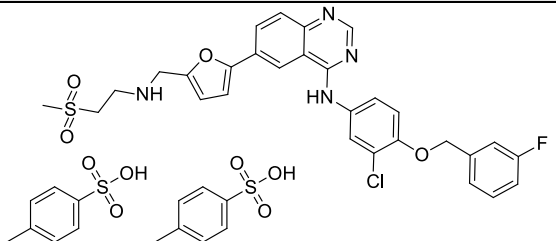




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#</b>
100946	Lapatinib ditosylate	TZC70216

<b>Chemical name</b>	
N-(3-chloro-4-((3-fluorobenzyl)oxy)phenyl)-6-(5-(((2-(methylsulfonyl)ethyl)amino)methyl)furan-2-yl)quinazolin-4-amine ditosylate	
<b>Synonyms</b>	
GSK572016; GW2016; GW-572016; Lapatinib. US brand name: Tykerb.	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 100946 Name: Lapatinib ditosylate CAS#: 388082-77-7 Lot#: TZC70216 Chemical Formula: C <sub>43</sub> H <sub>42</sub> ClFN <sub>4</sub> O <sub>10</sub> S <sub>3</sub> Molecular Weight: 925.46

<b>Analysis item</b>	<b>Specification/ Results</b>
<b>Appearance</b>	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 at 200 mg/mL; very poorly soluble in ethanol; very poorly soluble in water; maximum solubility in plain water is estimated to be about 1-10 μM
<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>Self life</b>	At least 5 years if properly stored.

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