



Certificate of analysis

Product name: Ivacaftor

Cas number: 873054-44-5

Molecular Formula: $C_{24}H_{28}N_2O_3$

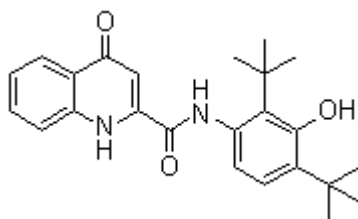
Molecular Weight: 392.49

Date of production: Mar. 18, 2017

Batch NO: 20170318

Exp Date: Mar. 17, 2017

Chemical structure:



Items	Specifications	Results
Appearance	white to off-white powder	Conform
Identification	H-NMR、IR	Complies with reference date
Related Substances by HPLC	single largest impurity $\leq 0.5\%$	0.20%
	Total impurities $\leq 1.0\%$	0.5%
Moisture Content	$\leq 0.5\%$	0.3%
Purity	$\geq 99\%$	99.5%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

