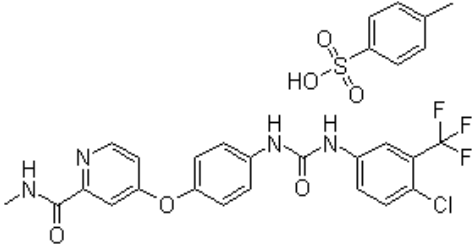


**HANGZHOU DINGYAN CHEM CO.,LTD**

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS**NO: DYC071605201**

Product name	Sorafenib tosylate
CAS Number	475207-59-1
Molecule Structure	
Molecule Formula	C ₂₁ H ₁₆ ClF ₃ N ₄ O ₃ . C ₇ H ₈ SO ₃
Batch number	20150318
Manufacture date	2015-03-18
Testing date	2015-03-20
Expiry date	2017-03-17

Items	Standard	Result
Appearance	Light yellow to light brown crystalline powder	Light yellow crystalline powder
Solubility	Soluble in N,N-Dimethyl formamide, slightly soluble in methanol, insoluble in water and dichloromethane	Conform
Melting point	228~230℃	Conform
UV/Vis absorbance	Compare with RS	Conform
IR absorption spectrum	Compare with RS	Conform
Heavy metals	≤10ppm	Conform
Each related substances	≤0.1%	Conform
Total related substances	≤1.0%	0.3%
Loss on drying	≤0.5%	0.05%
Residue on ignition	≤0.1%	0.04%
Assay	98.0~102.0%	99.6%
Residual organic solvents		
Ethanol	≤5000ppm	Conform
Ethyl acetate	≤5000ppm	Conform
Toluene	≤890ppm	Not detected
Conclusion	Conformed with the Enterprise standard	

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangan Area, Hangzhou, China



HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

QUALITY CONTROL:
Hangzhou Dingyan Chem Co., Ltd.
Quality Control Edith
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangan Area, Hangzhou, China