



# Certificate of analysis

Product name: Tazarotene

Cas number: 118292-40-3

Molecular Formula: C<sub>21</sub>H<sub>21</sub>N<sub>0</sub>S<sub>2</sub>

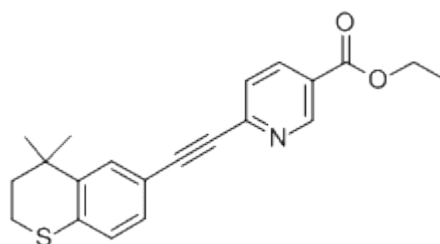
Molecular Weight: 351.46

Date of production: Mar. 19, 2019

Batch NO: 20190319

EXP DATE: Mar. 18, 2021

Chemical structure:



Items	Specifications	Results
<b>Description</b>	White to light yellow crystal or crystalline powder, odorless	Conform
<b>Identification</b>	HNMR HPLC	Conform
<b>Melt point</b>	147-152°C	Conform
<b>Loss on drying</b>	≤1.0	0.1%
<b>Heavy metals</b>	≤20ppm	Conform
<b>Residual solvents</b>	n-Hexane ≤0.029%	0.007
	Ethy acetate ≤0.5%	0.1%
	Dimethyl sulfoxide ≤0.5%	N.D
	Methanol ≤0.3%	N.D
	Dichloromethane ≤0.06%	N.D
	Tetramethylene oxide ≤0.072%	N.D
<b>Related Substances</b>	Any other impurity: ≤ 0.5%	0.09%
	Total impurities: ≤ 1.0%	0.10%
<b>Assay</b>	98.5%~101.5	99.9%

**Conclusion: It complies with the Enterprise Standard.**

Analyst: Zhao

Checker: Liu

Q.C Director: Fang

