



Certificate of analysis

Product name: Brivaracetam

Cas number: 357336-20-0

Molecular Formula: $C_{11}H_{20}N_2O_2$

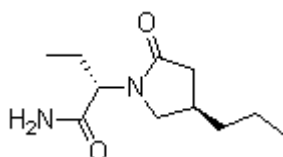
Molecular Weight: 212.29

Date of production: Mar. 18, 2017

Expiry Date: Mar. 17, 2020

Batch NO: 20170318

Chemical structure:



Items	Specifications	Results
Description	White or off-white powder	Conform
Identification	HNMR HPLC	Conform
Residual Solvents	Residual Solvents $\leq 0.30\%$	0.19%
	Toluene $\leq 0.089\%$	0.042%
	Acetone $\leq 0.50\%$	0.21%
Loss on drying	$\leq 0.50\%$	0.26%
Heavy metal	≤ 20 ppm	Conform
Related substances	Related compound 1 $\leq 0.05\%$	N.D
	Sum of R,R-Isomer and S,S-Isomer $\leq 0.45\%$	0.11%
	Any other impurity $\leq 0.10\%$	0.05%
	Total impurities $\leq 1.0\%$	0.17%
Related substance (Chiral HPLC)	R,R-Isomer $\leq 0.15\%$	N.D
	R,S-Isomer $\leq 0.15\%$	N.D
	S,S-Isomer $\leq 0.30\%$	N.D
Purity by HPLC	$\geq 99.0\%$	99.83%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F