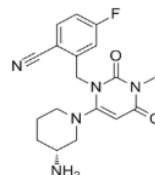


Certificate of Analysis

Product: Trelagliptin
M.Wt: 357.38
Formula: C₁₈H₂₀FN₅O₂
CAS No.: 865759-25-7
Batch Number: 20190301



Item	Specification	Results
Appearance	White or off-white powder	Conform
Melting point	186~191°C	186~191°C
Specific rotation	+13°~ +18°	+16.7°
Water	NMT 0.5%	0.18%
Residual solvents	EtOH NMT 5000ppm EA NMT 5000ppm TOL NMT 890ppm	310ppm ND ND
Heavy Metal	NMT 20ppm	Conform
Related substances	Max single impurity NMT 0.1%	0.05%
	Total impurities NMT 0.5%	0.13%
Assay	99.0~101.0%	99.7%
Conclusion	The product confirms to the Enterprise Standard	

Conclusion: Complies with In-house standard.

Caution: Product has not been fully validated for medical applications. For research use only.

For and on behalf of
SHANGHAI BIOCHEMPARTNER CO., LIMITED

QA manager : 向玉田
Kevin



Note: Products protected by valid patents are not offered for sale in countries where the sale of such products constitutes a patent infringement and its liability is at buyer's risk. This item is only for R&D purpose not for commercial business in kilos. Buyers should overview the patent issue in their countries.