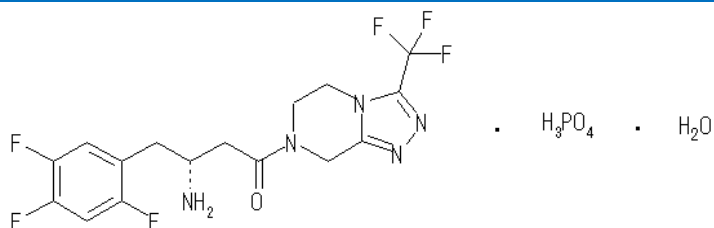


Sitagliptin Phosphate :Enantiomeric Purity



Column	: CHIRALPAK [®] AD-H 0.46cmΦ × 25cmL (L51)
Mobile phase	: Dehydrated alcohol / n-Heptane / Diethylamine / Water = 600 / 400 / 1 / 1 (v / v / v / v)
Flow rate	: 0.8mL/min.
Column temperature	: 35°C
Injection volume	: 10μL
UV detection	: 268nm

System suitability

System suitability solution:

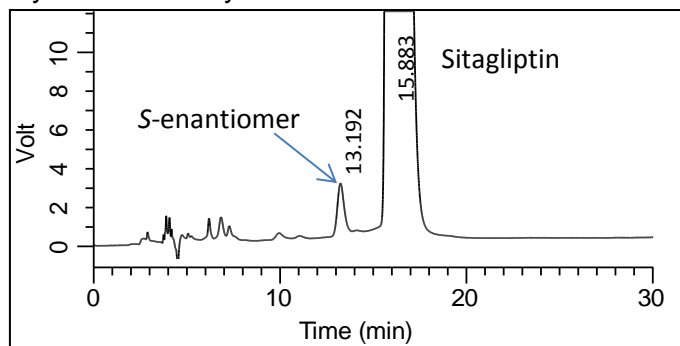
8 mg/mL of USP Sitagliptin System suitability Mixture RS in *Diluent*.

Sensitivity solution:

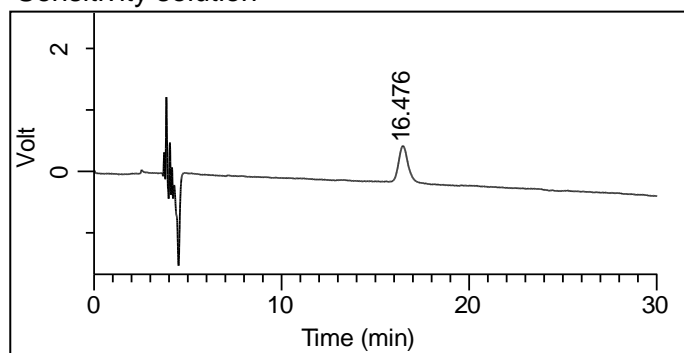
8 μg/mL of Sitagliptin Phosphate in *Diluent* from the *Sample solution*.

Relative retention time: Sitagliptin which is the *R*-enantiomer, and the *S*-enantiomer are 1.0 and 0.9, respectively.

System suitability solution



Sensitivity solution



	Requirement	Result
Resolution	≥ 1.5	3.0
Signal-to-noise ratio	≥ 10	29.7

For details of monograph, please check pharmacopeia.