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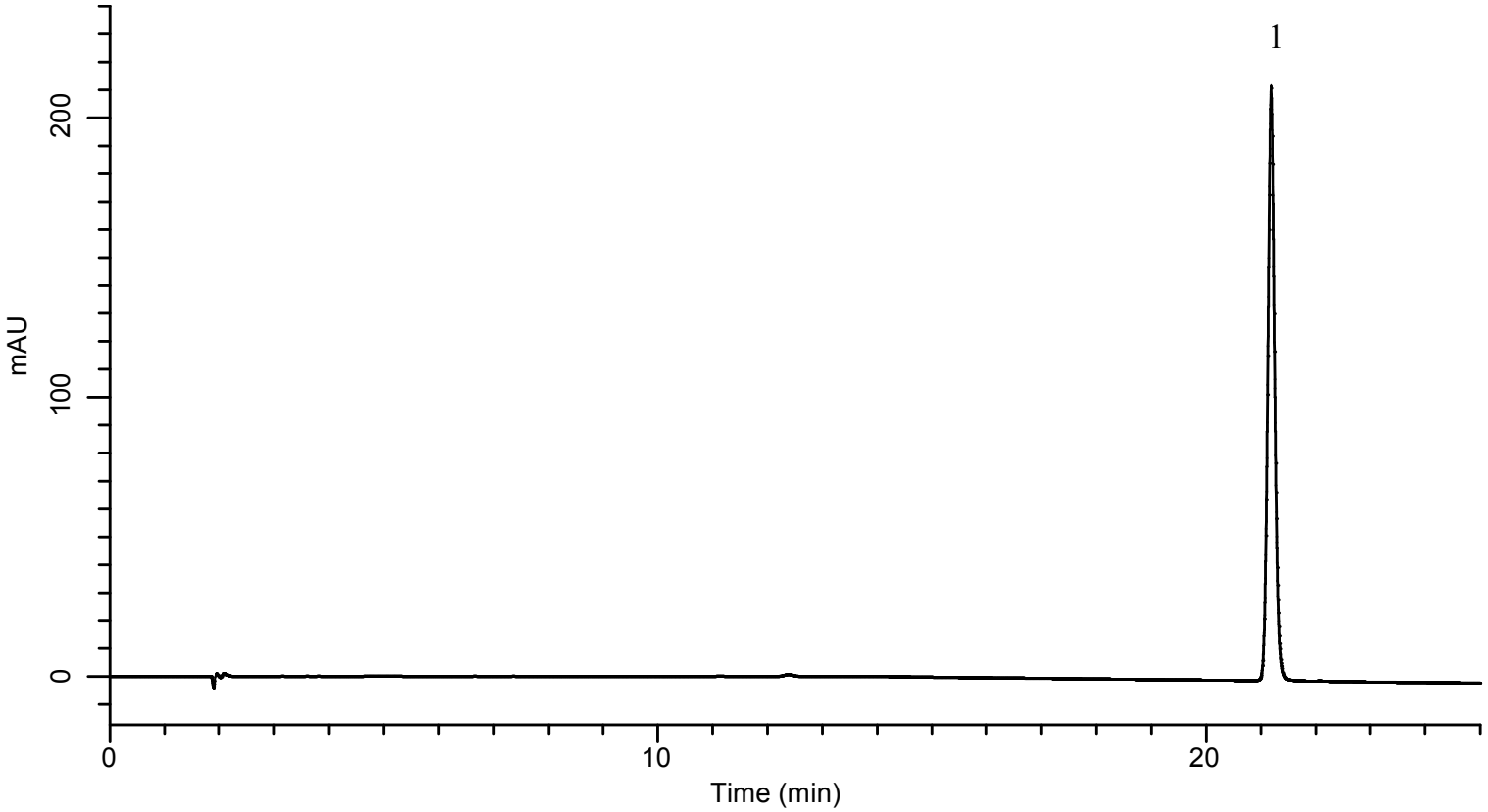
Inertsil ™ Applications

Analysis of Cinacalcet Hydrochloride

(Under the Condition of draft for USP)

Data No. LB545-0812

Standard solution of Assay



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18 (3 μm HP, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-88226
Eluent : A) CH_3CN
B) CH_3CN/Buffer* = 45/55, v/v

Time(min)	A(vol%)	B(vol%)
0	0	100
10	0	100
20	30	70
25	40	60

Flow rate : 1.3 mL/min
Col. Temp. : 40 ℃
Detection : UV 210 nm (UV7750 UV Detector)
Injection Vol. : 20 μL
Sample : Standard

Analyte:
1. Cinacalcet 20 mg/L

Symmetry factor (1) : 1.07 (< 1.5)
RSD of the peak area of 1 (%)(n=6) : 0.16 (< 0.73)

* 0.02 M monobasic potassium phosphate. Adjust with 2 N potassium hydroxide to a pH of 6.2.

GL Sciences