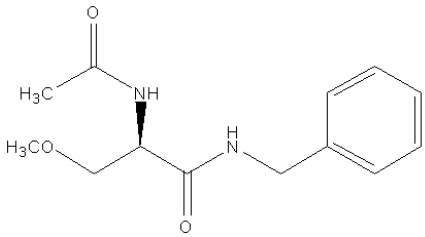
U.S. Pharmacopeia method

DAICEL CORPORATION

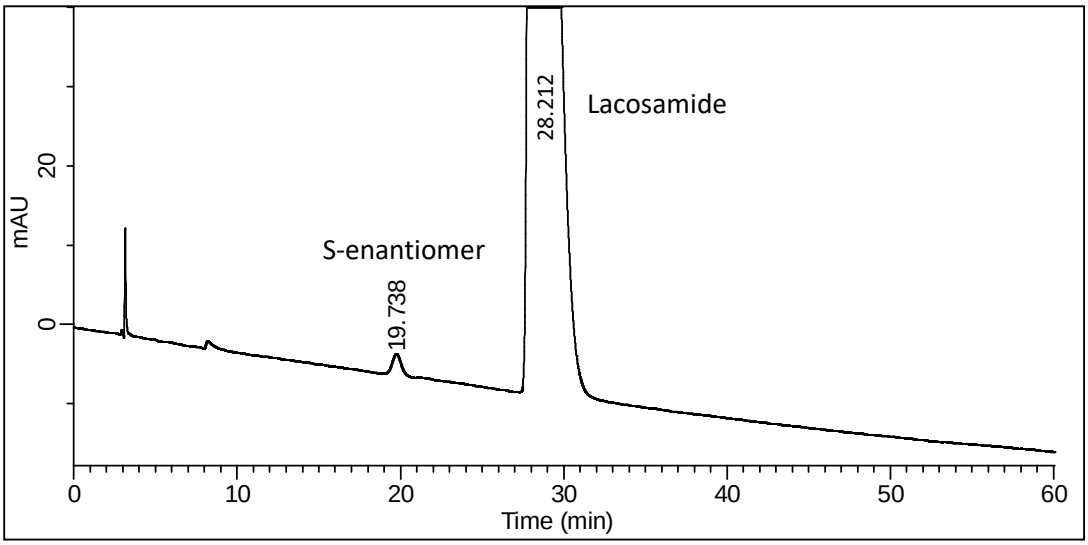
Lacosamide :Enantiomeric purity



Column	: CHIRALPAK® AD 0.46cmΦ × 25cmL (L51)
Mobile phase	: Heptane / 2-Propanol / Water = 90 / 10 / 0.3 (v / v / v)
Flow rate	: 1.0mL/min.
Injection volume	: 20μL
UV detection	: 215nm

System suitability
Sample: 1 mg/mL of USP Lacosamide RS and
5 μg/mL of USP Lacosamide *S*-Enantiomer RS in *Mobile phase.*

Relative retention time: Lacosamide *S*-enantiomer and Lacosamide are 0.75 and 1.0, respectively.



	Requirement	Result
Resolution	≧3.0	5.2
Signal-to-noise ratio (for *S*-enantiomer)	≧10	40

For details of monograph, please check pharmacopeia.