

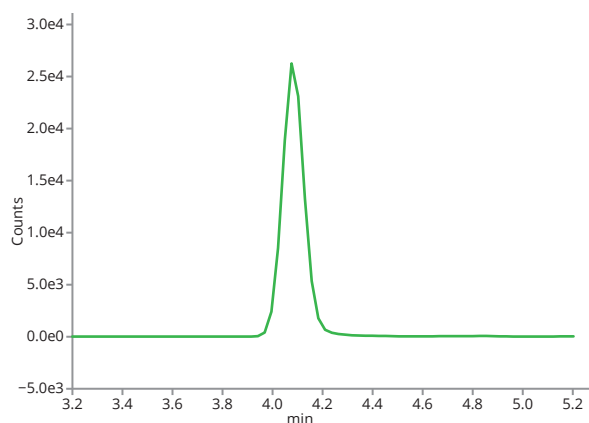


API glucuronide by LC/MS

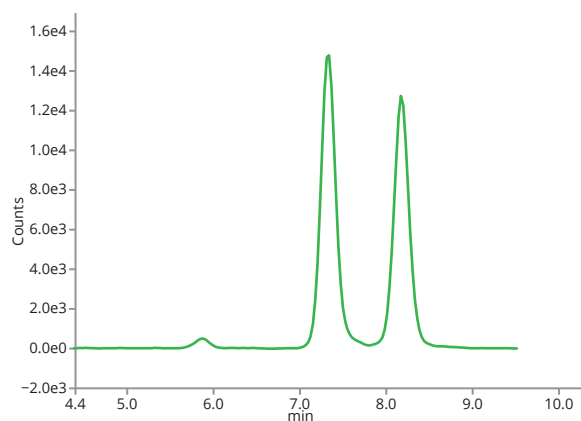
This application shows high ASTRA® HPLC column stability in the pharmacokinetic assay. API is used in hypolipidemic therapy adjusting cholesterol levels in the human body.

Substance

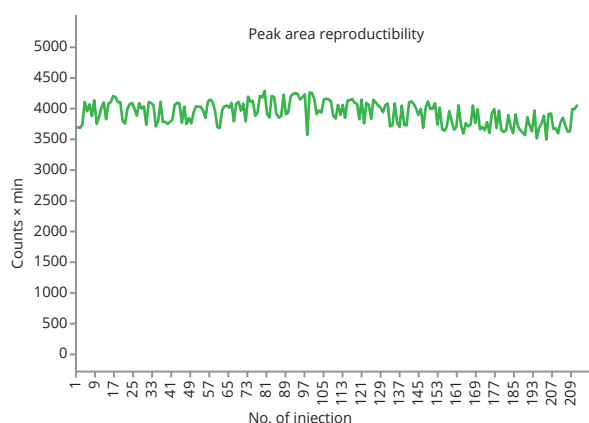
An agent of a novel class of selective Cholesterol absorption inhibitors



Scan 1 – API glucuronide



Scan 2 – API isomers



Plasma sample on ASTRA® C18-HE column



API glucuronide by LC/MS

Column	ASTRA® C18-HE, 5 µm
Dimensions	150 mm × 4.6 mm
Part number	AST-5732-LK46
Mobile phase	MeOH : ACN : Water : 0.1% NH ₄ OH 25/50/20/5 (v/v/v/v) Isocratic elution
Flow rate	0.45 ml/min
Temperature	Ambient
Injection volume	15 µl
Detection	MS/MS
Mode	ESI, Negative 2500 eV
MS Temperature	350 °C (capillary), 380 °C (vaporizer)
Collision gas	Argon
Instrument	TSQ Quantiva (Thermo Fisher Scientific)
Analytes	1. API (proprietary)

Compound name	Q1 (m/z)	Q2 (m/z)	Collision cell pressure	Collision energy
API Glucuronide D4	588	275	2 mTorr	29 eV
API D	412	275	2 mTorr	29 eV