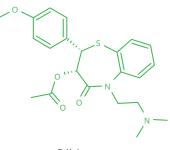
APPLICATION LIST #407

Degradation assessment of diltiazem

The HPLC/UV method has been optimized for the degradation assessment of calcium channel blocker diltiazem. The photochemical degradation kinetics of this benzodiazepine structure is studied in aqueous solution.

Substance Diltiazem, CAS number 42399-41-7 Synonym Adizem, Citizem, Deltazen, Zilden

Water sample analysis



Diltiazem

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APPLICATION LIST #407

Degradation assessment of diltiazem

PION

Column	Arion [®] Plus C18, 5.0 μm
Dimensions	150 mm × 3.0 mm
Part number	ARI-5720-LK30
Mobile phase	6mM ammonium acetate in water / methanol 30/70 (v/v)
	Isocratic elution
Flow rate	1.0 ml/min
Temperature	30 °C
Detection	UV @240 nm
Injection volume	20 µl
Analytes	1. Unknown – related product
	2. Diltiazem



fakulta

Faculty of Science

Přírodovědecká Jihočeská univerzita v Českých Budějovicích University of South Bohemia in České Budějovice The application has been developed by University of South Bohemia in České budějovice.

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