

SHINWA EXPRESS

Application

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ULTRON ES-Cel-DM

NEW

ULTRON ES-Cel-DM is a normal-phase column with separation capability for various isomers. An effective chiral selector with excellent molecular recognition, cellulose tris (3,5-dimethylphenyl carbamate) is coated onto spherical silica gel. Separation of optical isomers, cis-trans isomers, and positional isomers are possible.

● Features of the ULTRON ES-Cel-DM

1. The columns are designed for the separation of various isomers
2. Corresponded to L40

USP Method

System Suitability Requirements

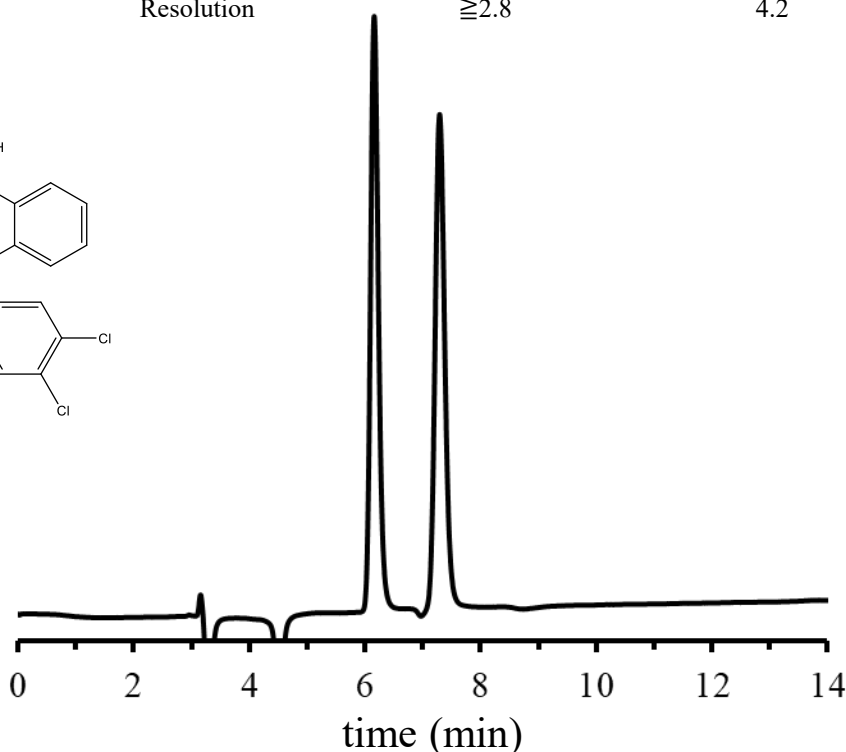
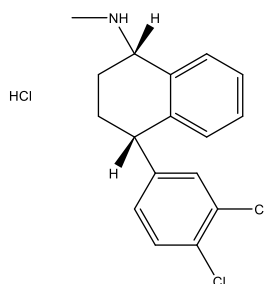
ULTRON ES-Cel-DM

Relative retention times	about 1.0 and 1.16	about 1.0 and 1.6
Resolution	≥ 2.8	4.2

Resolution

 ≥ 2.8

4.2



Column: ULTRON ES-Cel-DM (5 μ m)
 Column size: 250 mmL x 4.6 mm I.D.
 Mobile phase: n-Hexane/IPA/DEA= 94/6/0.15
 Flow rate: 1.0 mL/min
 Column temp.: 5-6 $^{\circ}$ C

Detection: UV-235 nm
 Sample: Sertraline Hydrochloride Racemic Mixture (100 mg/L)
 Diluent: n-Hexane
 Injection vol.: 10 μ L


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■ Analytical column specifications ■

ULTRON ES-Amy-DM / ES-Cel-DM / ES-AmyCL-DM / ES-CelCL-DM

Product name	Particle size (μm)	Column dimensions Length x I.D. (mm)
ULTRON ES-Amy-DM	5	150×4.6
		250×4.6
	10	250×4.6
ULTRON ES-Cel-DM	5	150×4.6
		250×4.6
	10	250×4.6
ULTRON ES-AmyCL-DM	5	150×4.6
		250×4.6
	10	250×4.6
ULTRON ES-CelCL-DM	5	150×4.6
		250×4.6
	10	250×4.6

※ Please do not hesitate to contact us for the other dimensions.
Please feel free to contact us with questions related to analyses.
Column screening services are also available.

Please be aware that specifications and prices are subject to change without prior notification.