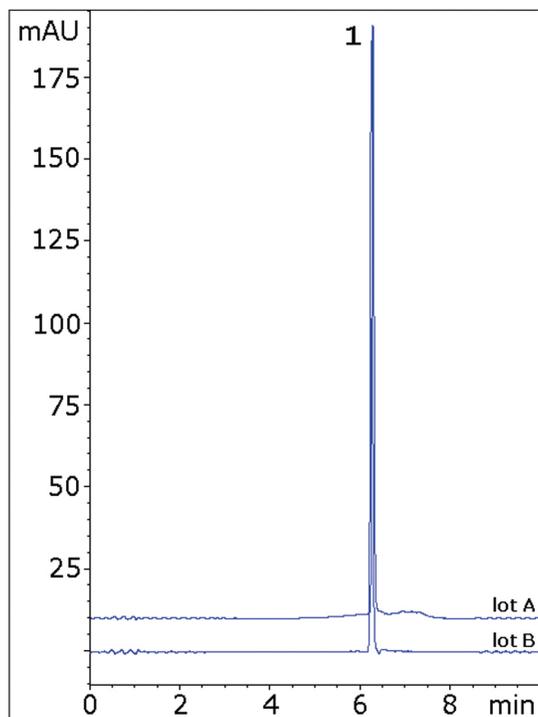
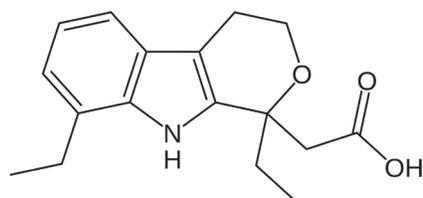


# Lodine® (Etodolac) Tablet

LC-MS compatible mobile phase



Overlay of runs from 2 column lots



Etodolac

**Note:** Etodolac is a prescription nonsteroidal anti-inflammatory drug. It is used for treatment of pain resulting from inflammation in conditions such as arthritis.

## Method Conditions

Column: **Cogent Bidentate C18™**, 4µm, 100Å

Catalog No.: 40018-75P

Dimensions: 4.6 x 75 mm

Mobile Phase: A: DI H<sub>2</sub>O / 0.1% formic acid (v/v)

B: Acetonitrile / 0.1% formic acid (v/v)

Gradient:	time (min.)	%B
	0	10
	1	10
	6	80
	7	10

Post Time: 3 min

Injection vol.: 1µL

Flow rate: 1.0 mL/min

Detection: UV 275 nm

**Sample:** A portion of 50/50 solvent A/solvent B diluent was added and the flask was sonicated 10 min. It was then diluted to mark and mixed. A portion was filtered with a 0.45µm nylon syringe filter (MicroSolv Tech Corp.) and diluted 1:10.

Peak: 1. Etodolac

t<sub>0</sub>: 0.9 min

## Discussion

This application note shows an easy to perform etodolac tablet assay method. The Cogent Bidentate C18 column was an excellent choice for the analysis. The USP assay method for tablets uses a phosphoric acid-based mobile phase and is not LC-MS compatible. As such, the presented method is much more versatile and current. The gradient can be adjusted if lower retention is required.

Data from two column lots is shown to illustrate lot-to-lot consistency.