

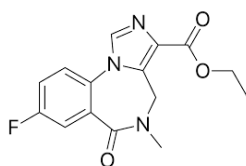
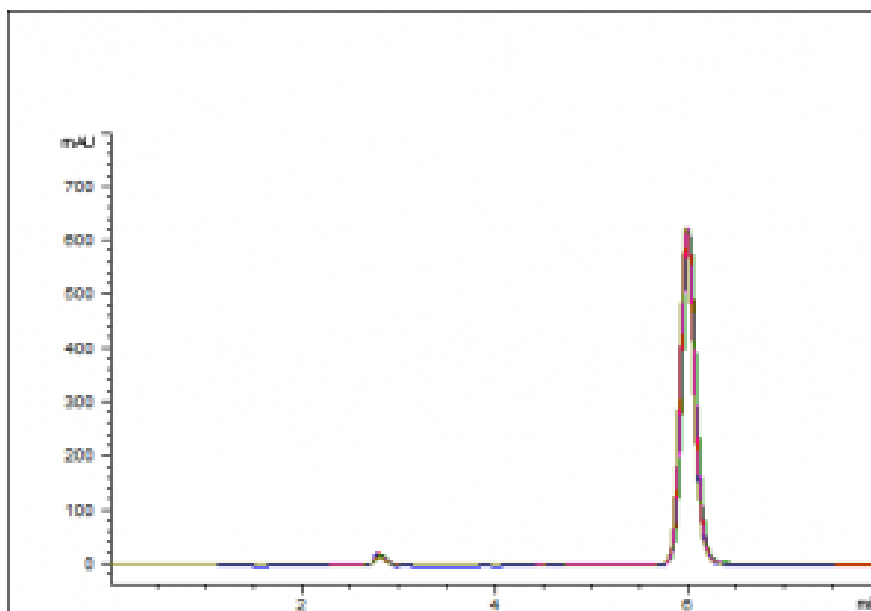
Flumazenil USP assay with HPLC - INTERNAL ONLY

CONFIDENTIAL – INTERNAL ONLY. Click [here](#) for public AppNote.

Alternate L1 column used for a similar USP assay method of Flumazenil

This Similar USP Flumazenil is easily performed and the 10 injection overlay below demonstrates run to run consistency and great peak symmetry. The peak efficiency is very good and peak tailing guidelines are easily met with RSD values of less than 1.0%.

This demonstrates a good alternate column for your Flumazenil USP method.



Peak:

Flumazenil

Method Conditions:

Column: Cogent RP C18™, 5um, 100Å

Catalog No.: [68518-15P](#)

Dimensions: 4.6mm x 150mm

Solution A: 800 mL of water, adjusted with phosphoric acid to a pH of 2.0 ± 0.05

Mobile phase: Methanol, tetrahydrofuran, and Solution A (13:7:80)

Flow rate: 1.0mL / minute

Detection: UV @ 230nm

Sample Preparation: 1.0 mg/mL of Flumazenil in Mobile phase

Tailing factor: NMT 1.5

Relative standard deviation: NMT 2.0%

Note 1: For the full method conditions and details, consult the official United States Pharmacopeia–National Formulary (USP–NF.)

Note 2: Flumazenil is a GABA receptor antagonist and can treat drowsiness caused by sedatives following surgery or drug overdose.



Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com