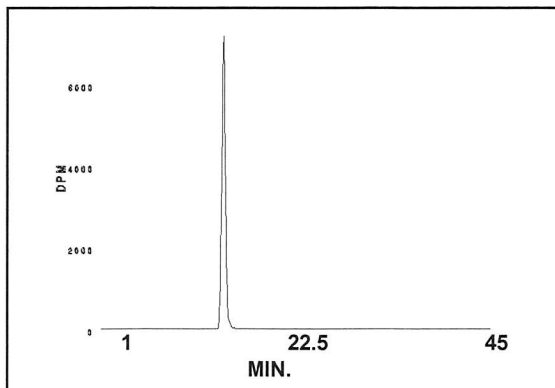
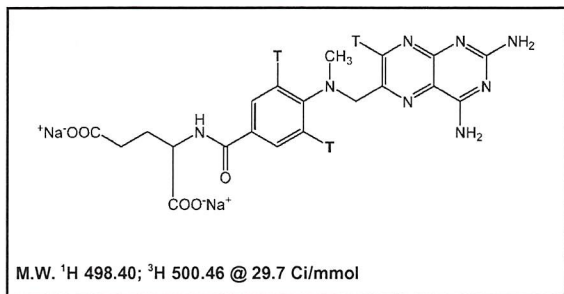


## Certificate of Analysis

**MT-701**

### Methotrexate, disodium salt, [3',5',7-<sup>3</sup>H(N)]-



**Lot #:** 374-124-0297-A-20180215-JPL

**Specific Activity:** 29.7 Ci/mmol

**Concentration:** 1.0 mCi/ml; 16.85 µg/ml

**Packaged in:** Ethanol : water (4 : 6) solution

**Date of Analysis:** March 18, 2019

**Radiochemical Purity:** 99.8%

**Column:** Phenomenex Prodigy ODS(2) 4.6 x 250mm, 5µm

**Flow Rate:** 1 ml/min.

**Mobile Phase:** A: 75% 50mM NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> + 5mM TBAP  
20% Methanol, 5% Acetonitrile  
With 2-Mercaptoethanol  
B: Acetonitrile  
0-30min 0% B; 30-33min 0-75% B;  
Hold to 45 min.

HPLC ANALYSIS LOT 374-124-0297-A-20180215-JPL  
File Name: intN6371 Date and Time: 3/18/2019 8:18:08 AM  
Unit 21 - Radio

Peak #	Area %	Time	Area
1	99.80	14.19730	20980.54876
2	0.07	14.87330	13.76463
3	0.05	15.18000	9.73876
4	0.08	15.44670	17.51842
Totals	100.00		21021.57057

**Stability and Storage Recommendation:** The rate of decomposition is approximately 1% / month for the first six months after purification when stored at -20°C.

**Product Warranty:** Stated on the reverse side of this CoA.

**Caution:** This material was manufactured under research grade conditions and is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not suitable for use in humans or clinical diagnosis. Responsibility for its use and compliance with federal law rests solely with the purchaser. If the compound and/or any associated information/documentation derived from its use could be used for any potential future filings, research grade is not recommended.