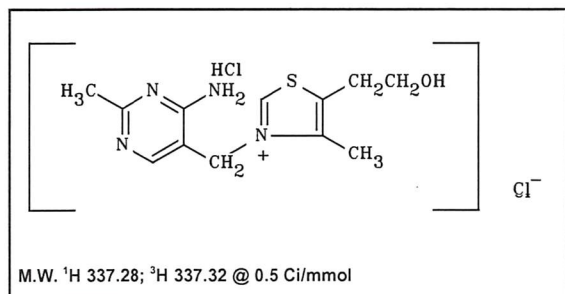


Certificate of Analysis

MT-832

Thiamine, HCl, [³H]-



Lot #: 591-102-0005-A-20181220-JPL

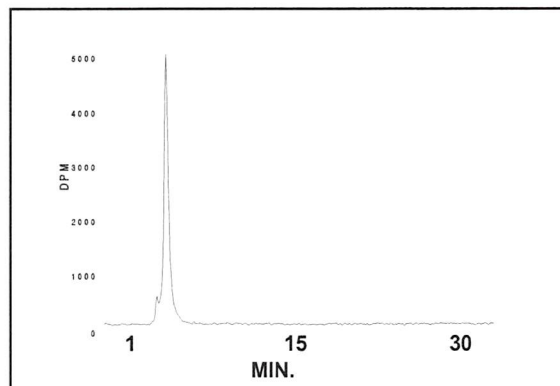
Specific Activity: 0.5 Ci/mmol

Concentration: 1.0 mCi/ml; 674.63 µg/ml

Packaged in: Ethanol : water (1 : 1) solution

Date of Analysis: December 26, 2018

Radiochemical Purity: 93.5%



HPLC ANALYSIS LOT 591-102-0005-A-20181220-JPL
File Name: int47653 Date and Time: 12/26/2018 9:59:58 A
Unit 4 Radio

Peak #	Area %	Time	Area
1	0.37	3.81670	53.39172
2	5.59	4.12000	796.70001
3	93.50	4.75670	13328.40116
4	0.27	6.25670	39.01601
5	0.26	6.94000	37.11700
Totals	100.00		14254.62590

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

Caution: Not For Use In Humans Or Clinical Diagnosis. This product is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not intended for use in humans. Responsibility for its use in humans, as a diagnostic reagent, and compliance with federal laws rests solely with the purchaser.