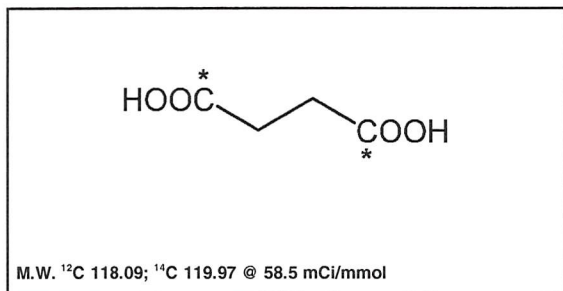


Certificate of Analysis

MC-238

Succinic acid, [1,4-¹⁴C]-



Lot #: 942-028-0585-A-20190910-SBA

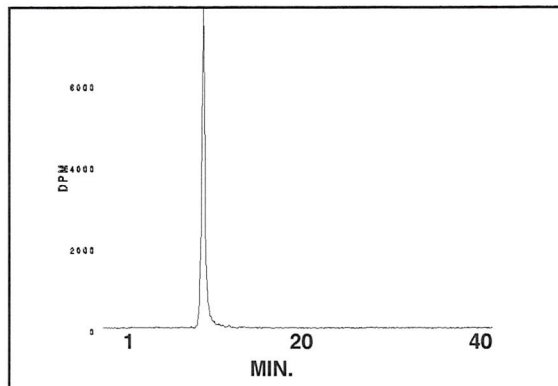
Specific Activity by MS: 58.5 mCi/mmol

Concentration: 0.1 mCi/ml; 205.07 µg/ml

Packaged in: Ethanol : water (1 : 9) solution

Date of Analysis: September 10, 2019

Radiochemical Purity: 98.1%



HPLC ANALYSIS LOT 942-028-0585-A-20190910-SBA
File Name: intB3831 Date and Time: 9/10/2019 11:19:49 A
Unit 11 Radio

Peak #	Area %	Time	Area
1	98.13	10.37330	20066.97835
2	0.18	11.09000	36.28744
3	0.27	11.49670	54.41138
4	0.93	11.91330	189.25117
5	0.50	12.98330	103.24670
Totals	100.00		20450.17504

Stability and Storage Recommendation: The rate of decomposition is approximately 0.1%/month for the first six months after purification when stored at 0-5°C.

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.