

MURR[®]

Research Grade

¹⁹⁸Au1513 Research Park Drive
Columbia, MO 65211Information: www.murr.missouri.eduOrdering: <https://murrorders.missouri.edu>

Main Phone: (573)882-4211

Customer Service: (573)884-3183

gold tetrachloroaurate**Information**

Half life:	2.7 days
Availability:	Made to Order
Production Day:	Monday-Friday
Order Deadline:	At least 2 weeks prior to shipment
Shipments:	Monday-Friday
Storage:	Room Temperature
Packaging:	2 or 5 mL v-bottom vial
Dispensing parameters:	per customer request

Typical Specifications

Compound:	Au-198 in 0.1 M HCl
Specific Activity:	8-95 mCi/mg
Activity Concentration:	per customer request
Radionuclidic purity:	≥ 85% Au-198, 1-15% Au-199
Radiochemical purity:	99% H ₂ AuCl ₄
pH:	n/a

Please Note: This radiochemical is not intended for human use in its delivered form. Verification of suitability for use in humans is the sole responsibility of the purchaser.

Au-198 Decay Table		Half-life: 2.659 days								
Days	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	1.0000	0.9743	0.9492	0.9248	0.9010	0.8778	0.8552	0.8332	0.8118	0.7909
1	0.7507	0.7314	0.7126	0.6942	0.6764	0.6590	0.6420	0.6255	0.6094	0.5937
2	0.5784	0.5636	0.5491	0.5349	0.5212	0.5077	0.4947	0.4820	0.4696	0.4575
3	0.4457	0.4342	0.4231	0.4122	0.4016	0.3912	0.3812	0.3714	0.3618	0.3525
4	0.3434	0.3346	0.3260	0.3176	0.3094	0.3015	0.2937	0.2861	0.2788	0.2716
5	0.2646	0.2578	0.2512	0.2447	0.2384	0.2323	0.2263	0.2205	0.2148	0.2093
6	0.2039	0.1986	0.1935	0.1886	0.1837	0.1790	0.1744	0.1699	0.1655	0.1613
7	0.1571	0.1531	0.1491	0.1453	0.1416	0.1379	0.1344	0.1309	0.1275	0.1243
8	0.1211	0.1179	0.1149	0.1119	0.1091	0.1063	0.1035	0.1009	0.0983	0.0957
9	0.0933	0.0909	0.0885	0.0863	0.0840	0.0819	0.0798	0.0777	0.0757	0.0738
10	0.0719	0.0700	0.0682	0.0665	0.0648	0.0631	0.0615	0.0599	0.0583	0.0568

M U R e s e a r c h R e a c t o r C e n t e r

June 2011