

²⁵¹Cm

Lougheed et al. from Lawrence Livermore Laboratory described the observation of ²⁵¹Cm in the 1978 paper “A new isotope of curium and its decay properties: ²⁵¹Cm” (1978Lo13). ²⁵⁰Cm from the Hutch thermonuclear explosion was irradiated with neutrons. Beta particles, X- and γ -rays were measured following chemical separation. “The weighted average of the half-life from all experiments is 16.8 ± 0.2 min.”

Adapted from reference (2013Fr02)

1978Lo13 R. W. Lougheed, J. F. Wild, E. K. Hulet, R. W. Hoff, and J. H. Landrum, *J. Inorg. Nucl. Chem.* **40**, 1865 (1978).

2013Fr02 C. Fry and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 96 (2013).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”