

¹⁶⁷Ho

In 1955, Handley et al. described the discovery of ¹⁶⁷Ho in the paper “Holmium-167” ([1955Ha45](#)). Er₂O₃ targets were bombarded with 22.4 MeV protons from the Oak Ridge 86-in. cyclotron. Decay curves, absorption spectra, and γ -ray spectra were measured with an end-window GM tube following chemical separation. “From the differences in isotopic abundance it was calculated that the 3-hour activity was produced from Er¹⁶⁷, which would again assign to it a mass of 167. Thus, with the chemistry identifying it as holmium, it is given an assignment of Ho¹⁶⁷.”

Adapted from reference ([2013Fr10](#))

[1955Ha45](#) T. H. Handley, W. S. Lyon, and E. L. Olson, Phys. Rev. **98**, 688 (1955).
[2013Fr10](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 520 (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)”