

## <sup>70</sup>As

In the 1950 paper “Spallation Products of Arsenic with 190 MeV Deuterons” Hopkins identified the isotope <sup>70</sup>As ([1950Ho26](#)). A pure <sup>75</sup>As target was bombarded with 190 MeV deuterons from the Berkeley 184-inch cyclotron and chemically separated and subjected to spectrographic analysis. “Table 1 contains two changes in isotope assignment differing from those previously reported. The 44-min. selenium and 52-min. arsenic daughter are placed at mass 70 since careful separations revealed no active germanium daughter.” In a previous paper the activity was incorrectly assigned to <sup>71</sup>As ([1948Ho04](#)).

Adapted from reference ([2010Sh34](#))

- [1948Ho04](#) H. H. Hopkins Jr. and B. B. Cunningham, Phys. Rev. **73**, 1406 (1948).  
[1950Ho26](#) H. H. Hopkins, Phys. Rev. **77**, 717 (1950).  
[2010Sh34](#) A. Shore, A. Fritsch, M. Heim, A. Schuh, and M. Thoennessen, At. Data Nucl. Data Tables **96**, 299 (2010).

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