



>>Variant: Sulfur 33

CAS Registry Number: 14257-58-0

Other Data: $I = +3/2$; $\mu = +0.643821 \mu_N$

>>Variant: Sulfur 34

CAS Registry Number: 13965-97-4

Other Data: $I = +0$; $\mu = 0 \mu_N$

>>Variant: Sulfur 35

CAS Registry Number: 15117-53-0

Source/Synthesis: Prod. from $S(n,\gamma)$, or $^{77}\text{Cl}(d,\alpha)$

Use/Importance: Used in diagnostic nuclear medicine

Other Data: $I = 3/2$; $\mu = +1.00 \mu_N$. Decays by $\beta^{(-)}$ emission to ^{35}Cl

>>Variant: Sulfur 36

CAS Registry Number: 14682-80-5

Other Data: $I = +0$; $\mu = 0 \mu_N$

>>Variant: Sulfur 37

CAS Registry Number: 15753-06-7

Source/Synthesis: Prod. from $\text{Cl}(n,p)$, $\text{Ar}(n,\alpha)$, or $^{36}\text{S}(n,\gamma)$

Other Data: $I = -7/2$. Decays by $\beta^{(-)}$ emission to ^{37}Cl

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