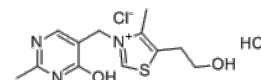


**Product Name** : Oxythiamine chloride hydrochloride  
**Cat. No.** : PC-63371  
**CAS No.** : 614-05-1  
**Molecular Formula** : C<sub>12</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 338.247  
**Target** : Other Targets  
**Solubility** :



## Biological Activity

Oxythiamine chloride is a small molecule transketolase inhibitor with K<sub>d</sub> of 33 nM, shows functional assay of human transketolase inhibition in HCT-116 cells with EC<sub>50</sub> of 26 nM; Oxythiamine induces G1 arrest in Ehrlich's ascites tumor cells implanted in mice.

## References

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- Tseng CW, et al. *Cancer Res*. 2018 Mar 29. pii: canres.2906.2017.
- Ricciardelli C, et al. *Clin Exp Metastasis*. 2015 Jun;32(5):441-55.
- Rais B, et al. *FEBS Lett*. 1999 Jul 30;456(1):113-8.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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