

**Product Name** : TRC102  
**Cat. No.** : PC-72643  
**CAS No.** : 593-56-6  
**Molecular Formula** : CH<sub>6</sub>ClNO  
**Molecular Weight** : 83.51  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

TRC102 (Methoxyamine HCl, TRC-102) is a small-molecule **base-excision repair (BER)** inhibitor, potentiates the cytotoxicity of pemetrexed and reverses resistance by binding to chemotherapy-induced abasic sites in DNA. Methoxyamine HCl is highly water soluble potentiates the cytotoxicity of alkylator and antimetabolite chemotherapy and reverses chemotherapy resistance by rapidly and covalently binding to chemotherapy-induced apurinic/aprimidinic (AP, abasic) sites in DNA.

TRC102 extended median tumor growth delay in mice with human NSCLC xenografts.

### References

Michael S Gordon, et al. *Invest New Drugs*. 2013 Jun;31(3):714-23.

Tithi Biswas, et al. *Clin Cancer Res*. 2022 Feb 15;28(4):646-652.

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

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