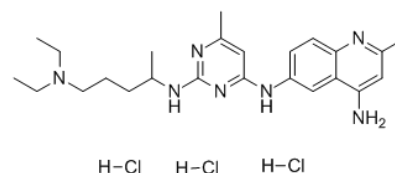


**Product Name** : NSC 23766 trihydrochloride  
**Cat. No.** : PC-44661  
**CAS No.** : 1177865-17-6  
**Molecular Formula** : C<sub>24</sub>H<sub>38</sub>Cl<sub>3</sub>N<sub>7</sub>  
**Molecular Weight** : 530.9644  
**Target** : Small GTPase  
**Solubility** : H<sub>2</sub>O: ≥ 32 mg/mL; DMSO: 7.6 mg/mL



## Biological Activity

NSC 23766 trihydrochloride is a specific small molecule inhibitor of **Rac GTPase**.

NSC 23766 trihydrochloride potently blocks serum or PDGF-induced Rac1 activation and lamellipodia formation without affecting the activity of endogenous Cdc42 or RhoA.

NSC 23766 trihydrochloride inhibits the proliferation, anchorage-independent growth and invasion phenotypes of human prostate cancer PC-3 cells.

## References

Gao Y, et al. *Proc Natl Acad Sci U S A*. 2004 May 18;101(20):7618-23.

Barros P, et al. *Mol Cell Biol*. 2009 Aug;29(15):4156-66.

Yoshida T, et al. *Mol Cancer Ther*. 2010 Jun;9(6):1657-68.

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

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