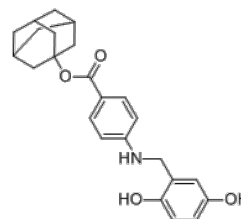


**Product Name** : Adaphostin  
**Cat. No.** : PC-38592  
**CAS No.** : 241127-58-2  
**Molecular Formula** : C<sub>24</sub>H<sub>27</sub>NO<sub>4</sub>  
**Molecular Weight** : 393.5  
**Target** : Bcr-Abl  
**Solubility** : 10 mM in DMSO



### Biological Activity

Adaphostin (AG 957 Adamantyl Ester, NSC 680410) is a **p210 Bcr/Abl** tyrosine kinase inhibitor with IC<sub>50</sub> of 14 uM, induces apoptosis in T-lymphoblastic human leukemia cell lines with IC<sub>50</sub> of 16.8-216.3 nM.

Adaphostin decreased p210(bcr/abl) polypeptide levels in K562 cells, followed by caspase activation and accumulation of apoptotic cells.

Adaphostin down-regulated p210bcr/abl in K562 cells and inhibited granulocyte colony formation in CML specimens at lower concentrations without enhanced toxicity in normal progenitors.

### References

Svingen PA, et al. *Clin Cancer Res.* 2000 Jan;6(1):237-49.

Mow BM, et al. *Blood.* 2002 Jan 15;99(2):664-71.

Avramis IA, et al. *Cancer Chemother Pharmacol.* 2002 Dec;50(6):479-89.

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

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