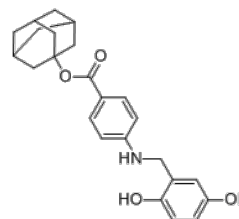


Product Name : Adaphostin
Cat. No. : PC-38592
CAS No. : 241127-58-2
Molecular Formula : C₂₄H₂₇NO₄
Molecular Weight : 393.5
Target : Bcr-Abl
Solubility : 10 mM in DMSO



Biological Activity

Adaphostin (AG 957 Adamantyl Ester, NSC 680410) is a p210 Bcr/Abl tyrosine kinase inhibitor with IC₅₀ of 14 uM, induces apoptosis in T-lymphoblastic human leukemia cell lines with IC₅₀ 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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