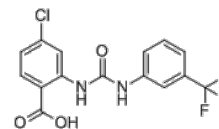


Product Name : NS3694
Cat. No. : PC-49742
CAS No. : 426834-38-0
Molecular Formula : C₁₅H₁₀ClF₃N₂O₃
Molecular Weight : 358.70
Target : Caspase
Solubility : 10 mM in DMSO



Biological Activity

NS3694 (NS 3694) is a specific cell-permeable diarylurea compound that inhibits **apoptosome** formation and caspase activation, blocks cytochrome c-induced caspase activation in HeLa cell cytosolic extracts with IC₅₀ of 50 uM. NS3694 inhibits cytochrome c- and dATP-induced DEVDase activation and processing of caspases and caspase substrates. NS3694 inhibits the association of caspase 9 to Apaf-1. NS3694 blocks the formation of the 700-kDa apoptosome complex. NS3694 (10-100 uM) inhibits TNF-induced effector caspase activation and apoptosis in MCF-casp3 cells. NS3694 inhibits TNF- and staurosporine-induced effector caspase activation and TNF-induced apoptosis in ME-180as cells. NS3694 does not inhibit FasL-induced DEVDase activity or FasL-induced cytotoxicity in SKW6.4 cells.

References

Ulrik Lademann, et al. *Mol Cell Biol.* 2003 Nov;23(21):7829-37.
 Zhao CQ, et al. *Age (Dordr).* 2010 Jun;32(2):161-77.

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

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