

Difopein TFA

Cat. No.:	HY-P1380A
Molecular Formula:	C ₂₇₅ H ₄₂₅ N ₇₆ F ₃ O ₉₁ S ₆
Molecular Weight:	6501.19
Sequence:	Ser-Ala-Asp-Gly-Ala-Pro-His-Cys-Val-Pro-Arg-Asp-Leu-Ser-Trp-Leu-Asp-Leu-Glu-Ala-Asn-Met-Cys-Leu-Pro-Gly-Ala-Ala-Gly-Leu-Arg-Asp-Leu-Ser-Trp-Leu-Asp-Leu-Glu-Ala-Asn-Met-Cys-Leu-Pro-Gly-Ala-Ala-Gly-Leu-Glu
Sequence Shortening:	SADGAPHCVPRDLSWLDLEANMCLPGAAGLDSADGAPHCVPRDLSWLDLEANMCLPGAAGLE
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description	Difopein (TFA), a specific and competitive inhibitor of 14-3-3 protein (a highly conserved eukaryotic regulatory molecule), blocking the ability of 14-3-3 to bind to target proteins and inhibits 14-3-3/Ligand interactions. Difopein (TFA) leads to induction of apoptosis and enhances the ability of cisplatin to kill cells ^[1] .
IC ₅₀ & Target	14-3-3 protein ^[1]

REFERENCES

[1]. Masters SC, et al. 14-3-3 proteins mediate an essential anti-apoptotic signal. J Biol Chem. 2001 Nov 30;276(48):45193-200. Epub 2001 Sep 27.

Caution: Product has not been fully validated for medical applications. For research use only.

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