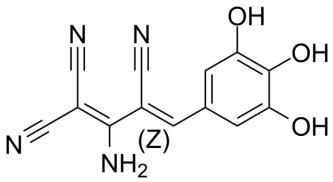
(Z)-Tyrphostin A51

Cat. No.:	HY-101960
CAS No.:	122520-90-5
Molecular Formula:	$C_{13}H_8N_4O_3$
Molecular Weight:	268.23
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(Z)-Tyrphostin A51 is the Z configuration of Lanoconazole A51. Tyrphostin A51 is a potent protein tyrosine kinase (PTK) inhibitor. Tyrphostin A51 inhibits the volume-dependent release of [^{3}H]taurine in a dose-dependent manner. Tyrphostin A51 markedly reduces cellular tyrosyl phosphorylation level. Tyrphostin A51 inhibits both basal and EGF-induced human bone cell proliferation[1][2].

REFERENCES

[1]. Alexander A. et al. [3H]taurine andd-[3H]aspartate release from astrocyte cultures are differently regulated by tyrosine kinases. Physiology-cell physiology. 1999, 1226-1230.

[2]. Yoon HK, et al. Differential effects of two protein tyrosine kinase inhibitors, tyrphostin and genistein, on human bone cell proliferation as compared with differentiation. Calcif Tissue Int. 1998 Sep;63(3):243-9.

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