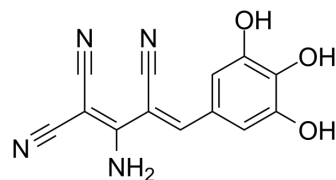


Tyrphostin A51

Cat. No.:	HY-101960A		
CAS No.:	126433-07-6		
Molecular Formula:	C ₁₃ H ₈ N ₄ O ₃		
Molecular Weight:	268.23		
Target:	EGFR		
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Tyrphostin A51 is a potent protein tyrosine kinase (PTK) inhibitor. Tyrphostin A51 inhibits the volume-dependent release of [³H]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 and [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.

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

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