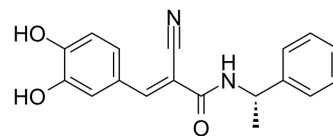


(+)-Tyrphostin B44

Cat. No.:	HY-101007A		
CAS No.:	133550-37-5		
Molecular Formula:	C ₁₈ H ₁₆ N ₂ O ₃		
Molecular Weight:	308.33		
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



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (324.33 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2433 mL	16.2164 mL	32.4328 mL
	5 mM	0.6487 mL	3.2433 mL	6.4866 mL
	10 mM	0.3243 mL	1.6216 mL	3.2433 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 2.5 mg/mL (8.11 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (8.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(+)-Tyrphostin B44 (Tyrphostin AG 835) (Compound B50) is an EGRF inhibitor with antitumor activities^[1].

In Vitro

(+)-Tyrphostin B44 (Tyrphostin AG 835) (Compound B50) (0-100 μM) inhibits cell survival with EC₅₀ values of 3.12, 12.5 and 12.5 μM against CALO, INBL and HeLa cells, respectively^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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