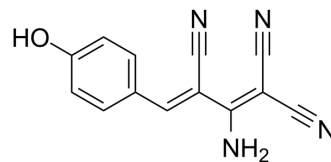


Tyrphostin AG 112

Cat. No.:	HY-112474		
CAS No.:	144978-82-5		
Molecular Formula:	C ₁₃ H ₈ N ₄ O		
Molecular Weight:	236.23		
Target:	EGFR		
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (529.15 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.2332 mL	21.1658 mL	42.3316 mL
5 mM	0.8466 mL	4.2332 mL	8.4663 mL
10 mM	0.4233 mL	2.1166 mL	4.2332 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: ≥ 2.08 mg/mL (8.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (8.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tyrphostin AG 112 is an EGFR phosphorylation inhibitor^[1].

REFERENCES

[1]. Rodrigo Franco, et al. Epidermal Growth Factor Receptor Is Activated by Hyposmolarity and Is an Early Signal Modulating Osmolyte Efflux Pathways in Swiss 3T3 Fibroblasts. Pflugers Arch. 2004 Mar;447(6):830-9.

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

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