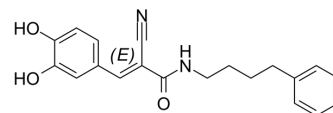


(E)-AG 556

Cat. No.:	HY-101041		
CAS No.:	133550-41-1		
Molecular Formula:	C ₂₀ H ₂₀ N ₂ O ₃		
Molecular Weight:	336.38		
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 (297.28 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		2.9728 mL	14.8641 mL	29.7283 mL
5 mM		0.5946 mL	2.9728 mL	5.9457 mL
10 mM		0.2973 mL	1.4864 mL	2.9728 mL

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

BIOLOGICAL ACTIVITY

Description

(E)-AG 556 is a highly selective EGFR inhibitor and also blocks LPS-induced TNF- α production^{[1][2]}.

REFERENCES

- [1]. George J, et al. Tyrphostin AG-556 reduces myocardial infarct size and improves cardiac performance in the rat. *Exp Mol Pathol*. 2003 Jun;74(3):314-8.
- [2]. Gazit A, et al. Tyrphostins. 2. Heterocyclic and alpha-substituted benzylidenemalononitrile tyrphostins as potent inhibitors of EGF receptor and ErbB2/neu tyrosine kinases. *J Med Chem*. 1991 Jun;34(6):1896-907.

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

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