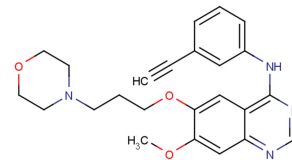


NRC-2694

Chemical Properties

CAS No.:	936446-61-6
Formula:	C ₂₄ H ₂₆ N ₄ O ₃
Molecular Weight:	418.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	NRC-2694 is an antagonist of the epidermal growth factor receptor (EGFR). It has anti-cancer and anti-proliferative properties.
Targets(IC ₅₀)	EGFR: None
In vitro	NRC-2694 (80 ng) induce comparable inhibition of EGFR expression.
In vivo	NRC-2694 (10 mg/kg) regresses the tumor in mice. The maximum tolerated dose of NRC-2694 in male and female mice is 2000 mg/kg (p.o.), in toxicity studies .

Solubility Information

Solubility	DMSO: 250 mg/mL (597.39 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.39 mL	11.948 mL	23.895 mL
5 mM	0.478 mL	2.39 mL	4.779 mL
10 mM	0.239 mL	1.195 mL	2.39 mL
50 mM	0.048 mL	0.239 mL	0.478 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Ramanadham Jyothi Prasad, et al. 6-7,dialkoxy quinazoline derivatives useful for treatment of cancer related disorders. US 8143250 B2

Inhibitors · Natural Compounds · Compound Libraries

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