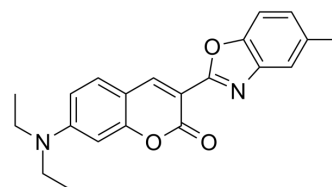


EMI48

Cat. No.:	HY-131066		
CAS No.:	34564-13-1		
Molecular Formula:	C ₂₁ H ₂₀ N ₂ O ₃		
Molecular Weight:	348.4		
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 : 9.26 mg/mL (26.58 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8703 mL	14.3513 mL	28.7026 mL
	5 mM	0.5741 mL	2.8703 mL	5.7405 mL
	10 mM	0.2870 mL	1.4351 mL	2.8703 mL

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

BIOLOGICAL ACTIVITY

Description

EMI48, the derivative of EMI1, displays greater potency toward mutant EGFR than EMI1. EMI48 inhibits EGFR triple mutants^[1].

IC₅₀ & Target

EGFR^{L858R/T790M/C797S}

EGFR^{del19 T790M C797S}

In Vitro

EMI48 inhibits EGFR ex19del/T790M/C797S and EGFR L858R/T790M/C797S. EMI48 can be used in the research of mutant EGFR-associated, drug-resistant non-small-cell lung cancer (NSCLC)^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Punit Saraon , et al. A Drug Discovery Platform to Identify Compounds That Inhibit EGFR Triple Mutants. Nat Chem Biol. 2020 May;16(5):577-586.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA