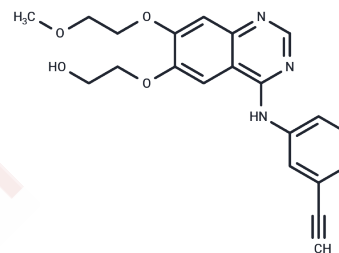


## Desmethyl Erlotinib

## Chemical Properties

CAS No. :	183321-86-0
Formula:	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	379.41
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Desmethyl Erlotinib (CP-473420) is the active metabolite of Erlotinib (EGFR inhibitor with IC <sub>50</sub> of 2 nM).
Targets(IC <sub>50</sub> )	EGFR, Drug Metabolite

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 83 mg/mL (199.58 mM), Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6357 mL	13.1784 mL	26.3567 mL
5 mM	0.5271 mL	2.6357 mL	5.2713 mL
10 mM	0.2636 mL	1.3178 mL	2.6357 mL
50 mM	0.0527 mL	0.2636 mL	0.5271 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

- Meany HJ, et al. Cancer Chemother Pharmacol. 2008, 62(3), 387-392.  
Moyer JD, et al. Cancer Res. 1997, 57(21), 4838-4848.

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