

Nilotinib hydrochloride

Chemical Properties

CAS No.:	923288-95-3
Formula:	C ₂₈ H ₂₂ F ₃ N ₇ O.HCl
Molecular Weight:	565.98
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Nilotinib hydrochloride, the hydrochloride salt form of nilotinib, is an orally bioavailable Bcr-Abl tyrosine kinase inhibitor with antineoplastic activity.
Targets(IC ₅₀)	Bcr-Abl: <30 nM

Solubility Information

Solubility	DMSO: 100 mg/ml (176.68 mM) Ethanol: 2 mg/ml (3.53 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.767 mL	8.834 mL	17.668 mL
5 mM	0.353 mL	1.767 mL	3.534 mL
10 mM	0.177 mL	0.883 mL	1.767 mL
50 mM	0.035 mL	0.177 mL	0.353 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. Weisberg E, et al. Blood. 2007, 109(5):2112-20.

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