

Taletrectinib

Chemical Properties

CAS No. : 1505515-69-4

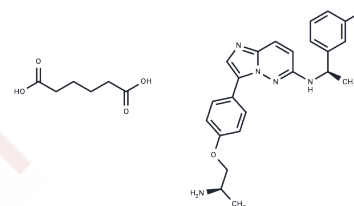
Formula: C₂₉H₃₄FN₅O₅

Molecular Weight: 551.61

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Taletrectinib (AB-106) is a new-generation selective inhibitor of ROS1/NTRK including ROS1, NTRK1, NTRK2 and NTRK3 with IC ₅₀ of 0.207 nM, 0.622 nM, 2.28 nM and 0.980 nM, respectively.
Targets(IC ₅₀)	ROS, ROS Kinase, Trk receptor

Solubility Information

Solubility	DMSO: 23.81 mg/mL (43.16 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.63 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8129 mL	9.0644 mL	18.1288 mL
5 mM	0.3626 mL	1.8129 mL	3.6258 mL
10 mM	0.1813 mL	0.9064 mL	1.8129 mL
50 mM	0.0363 mL	0.1813 mL	0.3626 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhu Y, Wang F, Wang X, et al. Application of newly developed and validated UPLC-MS/MS method for pharmacokinetic study of ROS1/NTRK inhibitor taletrectinib in beagle dog plasma. *Journal of Chromatography B*. 2024: 124305.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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