

LDN-211904 oxalate

Chemical Properties

CAS No. : 1198408-78-4

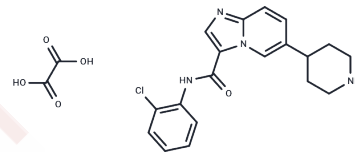
Formula: C₂₁H₂₁ClN₄O₅

Molecular Weight: 444.87

Store at low temperature, Keep away from moisture

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	LDN-211904 oxalate (LDN211904 oxalate) is a selective and efficient EphB3 inhibitor with antitumor activity, useful in neurodegenerative disease research.
Targets(IC50)	Ephrin Receptor

Solubility Information

Solubility	DMSO: 16 mg/mL (35.97 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: 1.5 mg/mL (3.37 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	2.2478 mL	11.2392 mL	22.4785 mL
5 mM	0.4496 mL	2.2478 mL	4.4957 mL
10 mM	0.2248 mL	1.1239 mL	2.2478 mL
50 mM	0.045 mL	0.2248 mL	0.4496 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

Park SH, et al. Sonic hedgehog pathway activation is associated with cetuximab resistance and EPHB3 receptor induction in colorectal cancer. *Theranostics*. 2019 Apr 12;9(8):2235-2251.

Qiao L, et al. Structure-activity relationship study of EphB3 receptor tyrosine kinase inhibitors. *Bioorg Med Chem Lett*. 2009 Nov 1;19(21):6122-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481