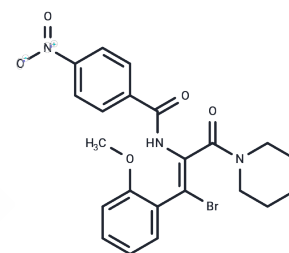


AT-130

Chemical Properties

CAS No. : 211364-06-6
 Formula: C₂₂H₂₂BrN₃O₅
 Molecular Weight: 488.33
 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	AT-130 is a HBV virus inhibitor with improved potency (IC ₅₀ = 0.13 μM) and reduced toxicity in the HepAD38 cell line. AT-130 blocks HBV replication at the level of viral RNA packaging.
Targets(IC ₅₀)	DNA/RNA Synthesis,HBV

Solubility Information

Solubility	DMSO: 23 mg/mL (47.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.1 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	2.0478 mL	10.239 mL	20.478 mL
5 mM	0.4096 mL	2.0478 mL	4.0956 mL
10 mM	0.2048 mL	1.0239 mL	2.0478 mL
50 mM	0.041 mL	0.2048 mL	0.4096 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

Feld JJ, Colledge D, Sozzi V, Edwards R, Littlejohn M, Locarnini SA. The phenylpropenamide derivative AT-130 blocks HBV replication at the level of viral RNA packaging. Antiviral Res. 2007 Nov;76(2):168-77. Epub 2007 Jul 24. PubMed PMID: 17709147.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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