

ATRA-biotin

Chemical Properties

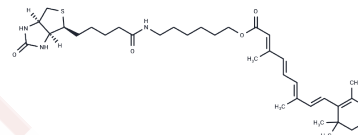
CAS No. : 2226143-93-5

Formula: C₃₆H₅₅N₃O₄S

Molecular Weight: 625.91

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	ATRA-biotin is a biotin-conjugated form of all-trans retinoic acid (ATRA). It is utilized for the purpose of tracking ATRA within cells or specific tissues.
Targets(IC50)	Others,Retinoid Receptor,Endogenous Metabolite,Autophagy,PPAR
In vitro	ATRA-biotin, at concentrations ranging from 1-10 μ M over a period of 1-72 hours, exhibits biocompatibility as evidenced by cell viability assays conducted on cultured N2a cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5977 mL	7.9884 mL	15.9767 mL
5 mM	0.3195 mL	1.5977 mL	3.1953 mL
10 mM	0.1598 mL	0.7988 mL	1.5977 mL
50 mM	0.032 mL	0.1598 mL	0.3195 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

Segelken J, et, al. Synthesis and Evaluation of Two Novel All -trans-Retinoic Acid Conjugates: Biocompatible and Functional Tools for Retina Research. ACS Chem Neurosci. 2018 Apr 18;9(4):858-867.

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