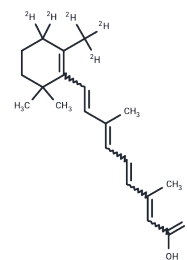


Retinoic acid-D5

Chemical Properties

CAS No. :	78996-15-3
Formula:	C ₂₀ H ₂₈ O ₂
Molecular Weight:	305.47
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Retinoic acid-D5 is the deuterium-labeled form of Retinoic acid. Retinoic acid (T1051) is a natural RAR receptor agonist with an IC ₅₀ of 14 nM for RAR α / β / γ and a K _d of 17 nM for PPAR β / δ . Retinoic acid, a metabolite of vitamin A, plays an important role in cell growth, differentiation and organ development. Retinoic acid (T1051) acts by activating retinoic acid receptor alpha as an inhibitor of the transcription factor Nrf2.
Targets(IC50)	Retinoid Receptor,Endogenous Metabolite,Autophagy,PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2736 mL	16.3682 mL	32.7364 mL
5 mM	0.6547 mL	3.2736 mL	6.5473 mL
10 mM	0.3274 mL	1.6368 mL	3.2736 mL
50 mM	0.0655 mL	0.3274 mL	0.6547 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

Soni K, et al. Bioanalysis of Endogenous Isotretinoin in Altered and Unaltered Human Plasma by Liquid Chromatography-Tandem Mass Spectrometry Coupled with Electrospray Ionization [published online ahead of print, 2022 Dec 25]. J Chromatogr Sci. 2022; bmac102.

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