

Oxybenzone-D3

Chemical Properties

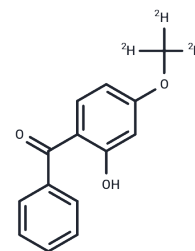
CAS No. :

Formula: C₁₄H₉D₃O₃

Molecular Weight: 231.26

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	Oxybenzone-D3 is a deuterium-labeled form of Oxybenzone. Commonly used as a UV filter in tanning and skin protection products, Oxybenzone (T0499) (Benzophenone 3) acts as an endocrine-disrupting chemical (EDC) that can cross both the placental and blood-brain barriers. It impairs autophagy, alters epigenetic states, and disrupts retinoid X receptor signaling in apoptotic neuronal cells.
Targets(IC50)	Apoptosis,Retinoid Receptor,Autophagy,RAR/RXR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3241 mL	21.6207 mL	43.2414 mL
5 mM	0.8648 mL	4.3241 mL	8.6483 mL
10 mM	0.4324 mL	2.1621 mL	4.3241 mL
50 mM	0.0865 mL	0.4324 mL	0.8648 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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