

**Deoxycholic acid-iFluor™ 647 conjugate**Catalog number: 36705  
Unit size: 1 mg**Product Details**

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Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	24 months upon receiving

**Chemical Properties**

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Appearance	Solid
Molecular Weight	1253.63
Soluble In	DMSO

**Spectral Properties**

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Excitation Wavelength	656 nm
Emission Wavelength	670 nm

**Applications**

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Deoxycholic acid, also known as cholanoic acid is a bile acid. Deoxycholic acid-iFluor™ 647 conjugate is a red fluorescent derivative of deoxycholic acid. It is an iFluor™ 647-labeled bile acid derivative that closely parallels the cellular binding and uptake properties of deoxycholic acid. It is a divalent 'unipolar' anionic fluorescent bile salt analog that might offer a potentially useful probe for studying cellular mechanisms of deoxycholic acid at the hepatocellular level. Deoxycholic acid-iFluor™ 647 conjugate can be used as a tool for the visualization of bile acid transport for the samples that have either strong blue or green fluorescence since its strong red fluorescence is well separated from blue or green fluorescence. Deoxycholic acid is one of the secondary bile acids, which are metabolic byproducts of intestinal bacteria. The two primary bile acids secreted by the liver are cholic acid and chenodeoxycholic acid. Deoxycholic acid, under the brand name Kybella, is approved by the FDA for reducing moderate-to-severe fat below the chin. When injected into submental fat, deoxycholic acid helps destroy fat cells.