

Cholyl-iFluor™ 647 conjugateCatalog number: 36703
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 | 1289.57 |
| Soluble In | DMSO |

Spectral Properties

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| Excitation Wavelength | 656 nm |
| Emission Wavelength | 670 nm |

Applications

Cholyl-iFluor™ 647 conjugate is a red fluorescent analog of our green fluorescent Cholyl-Lys-Fluorescein (#36701). It is an iFluor™ 647-labeled bile acid derivative that closely parallels the cellular binding and uptake properties of cholic acid derivatives. It is a divalent 'unipolar' anionic fluorescent monohydroxy bile salt analog with physical, biological and cholestatic properties that are similar to those of lithocholate, glycolithocholate and their derivatives and thus offers a potentially useful probe for studying mechanisms of monohydroxy bile salt-induced cholestasis at the hepatocellular level. Cholyl-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.