
Product Information Sheet

Ordering Information

Product Number: 3505
Product Name: Digoxigenin alkyne
Unit Size: 1 mg
Storage Conditions: Freeze (<-15 °C)
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid
Molecular Weight: 485.62
Soluble In: DMSO
Excitation Wavelength: N/A
Emission Wavelength: N/A

Application Notes

Digoxigenin (DIG) is a hapten, a small molecule with high antigenicity, which is used in many biological detections similarly to other popular haptens such as 2,4-Dinitrophenol (DNP) and biotin. Typically, digoxigenin is conjugated to a macromolecule (e.g., proteins, nucleic acids, etc) to be detected. Anti-digoxigenin antibodies are labeled with fluorescent dyes or enzymes, directly or secondarily, for visualization and detection. Digoxigenin alkyne readily reacts with azido group under mild conditions, attaching the digoxigenin moiety to azido-containing molecules. Digoxigenin-labeled biomolecules are used for biological detections in combination with anti-digoxigenin antibodies of high affinity and specificity.