

PhosLite™ Green

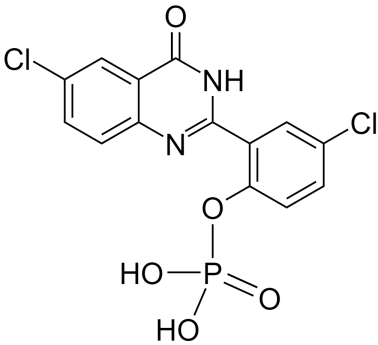
Catalog number: 11630

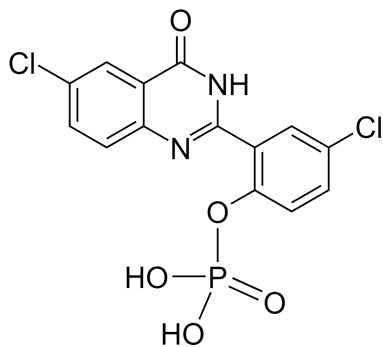
Unit size: 1 mg

Product Details

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Solid
Molecular Weight	589.49
Soluble In	Water
Chemical Structure	

**Applications**

This water-soluble PhosLite™ Green substrate generates a bright and photostable yellow-green fluorescent precipitate at the site of phosphatase activity. Its fluorescent precipitate has several unique properties (such as an extremely large Stokes shift and high photostability), making this substrate a superior fluorescent version of 5-Bromo-4-chloro-3-indolyl phosphate (BCIP), an chromogenic substrate used for the sensitive colorimetric detection of alkaline phosphatase activity. It can be used in immunoblotting, in situ hybridization, and immunohistochemistry, but does not require the addition of nitro blue tetrazolium chloride (NBT). Alkaline phosphatase is commonly conjugated to secondary antibodies.