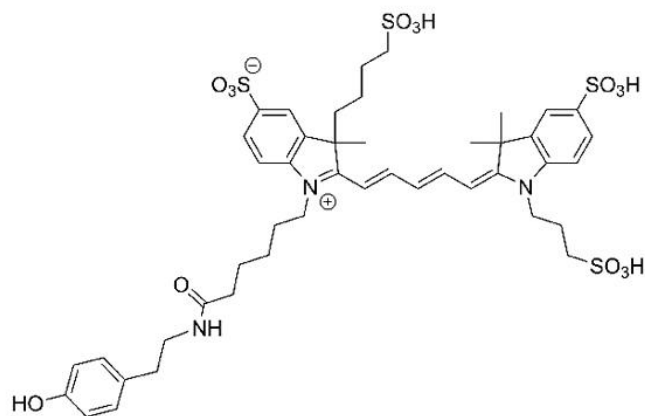


AZDYE 647 TYRAMIDE

SKU: CCT-1543

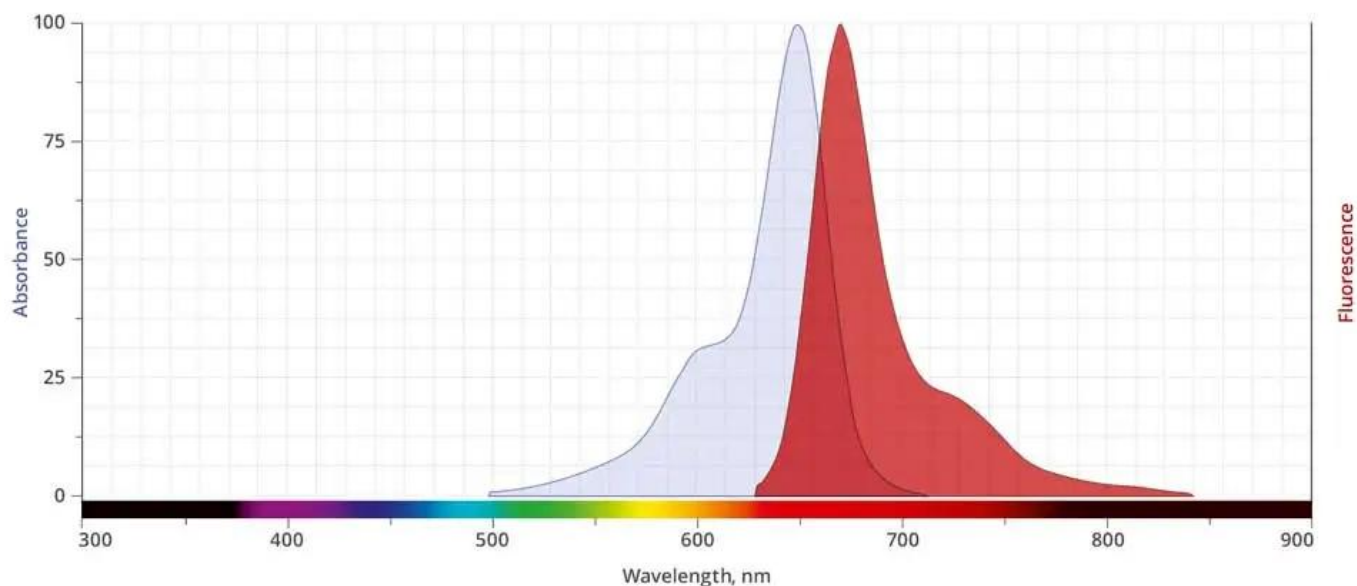


Description

Far-red fluorescent reagent widely used for tyramide signal amplification (TSA) in IHC, ICC, FISH and multicolor FISH. Tyramide signal amplification (TSA) has proven to be a particularly versatile and powerful enzyme amplification technique with improved assay sensitivity. TSA is based on the ability of HRP, in the presence of low concentrations of hydrogen peroxide, to convert labeled tyramine-containing substrate into an oxidized, highly reactive free radical that can covalently bind to tyrosine residues at or near the HRP.

AZDye™ 647 Tyramide is a component of many tyramide signal amplification kits, including SuperBoost®. This reagent can be used with any antibody conjugated to HRP for tyramide signal amplification for detection of low abundance targets in multiplexable fluorescent immunocytochemistry (ICC), immunohistochemistry (IHC), and in situ hybridization (ISH).

For research use only. Not intended for animal or human therapeutic or diagnostic use.



Abs/Em Spectra

Specifications

Unit Size	150 slides, 1500 slides
Abs/Em Maxima	648/671 nm
Extinction Coefficient	270,000
Flow Cytometry Laser Line	633 nm or 647 nm
Microscopy Laser Line	633 nm or 647 nm
Spectrally Similar Dyes	Alexa Fluor® 647, CF® 647, DyLight® 649
Molecular weight	992.20 (protonated)
CAS	N/A
Solubility	Water, DMSO, DMF
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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