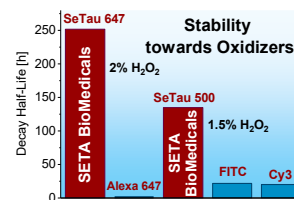
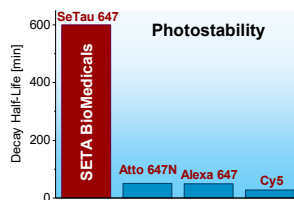
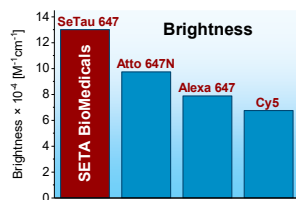
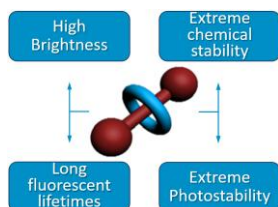




Innovate & Impact your Research & Technology with Superior Products from SETA BioMedicals

Advanced Fluorescence Solutions for Biomedical Applications

Founded in 2008, SETA BioMedicals develops, produces, and commercializes proprietary, high-quality fluorescent dyes and reagents for biomedical and pharmaceutical research, clinical diagnostics, and high-throughput screening. We focus on innovative detection reagents for a wide spectral range combining **exceptional stability**, **brightness**, and **longer fluorescence lifetimes**. These advantageous properties of our materials are obtained via our novel, unique, proprietary technology, where the main **fluorophore** is **protected** from the environment by a surrounding ring-type-molecule, which has an immense effect on the spectral and photo-physical properties of these dyes.



Products	Applications
Reactive Labels <ul style="list-style-type: none"> • Exceptional chemical and photochemical stability • High brightness • Long fluorescence lifetimes 	Covalent labeling of amino- and thiol-modified biomolecules for <i>in-vitro</i> and <i>in-vivo</i> applications. Precise live-cell imaging, flow cytometry, immunofluorescence, nucleic acids FISH, and multiplex diagnostics. Labeling of antibodies, glycans, and small molecules to study biomolecular interactions and cellular processes including FRET-based assays.
Fluorescent probes <ul style="list-style-type: none"> • Environment-sensitive and target-sensitive fluorescence intensities and fluorescence lifetimes (FLT) • High target-specificity • Extremely high chemical and photochemical stability 	Wash-free, high signal-to-noise bioimaging and spectroscopy of selective proteins, biomolecular interactions, and lipid domains. Monitor cellular processes like apoptosis and enzyme activity by sensing polarity, viscosity, or hydration changes, and map biophysical membrane properties such as lipid order, cholesterol content, fluidity, and phase separation.
Real Dark Quenchers <ul style="list-style-type: none"> • Exceptional fluorescence quenching • Wide spectral range including near-IR 	Reactive labels and probes serving as non-fluorescent acceptors with diverse fluorescent donors in FRET-based bioassays, enabling sensitive detection through fluorescence quenching.
Fluorescently Labeled Proteins, Conjugates, and Tandem Dyes <ul style="list-style-type: none"> • Extreme photostability • High brightness 	Multicolor flow cytometry and fluorescence microscopy for visualizing protein localization, tracking cellular interactions, and profiling immune markers with high specificity and spectral resolution in biomedical research.
Dyes for Particle Encoding <ul style="list-style-type: none"> • Wide spectral and fluorescence lifetimes (FLT) range • High brightness • High photostability 	Single and multiple encoding of organic, inorganic, hybrid, and polymeric nanoparticles, microparticles, and cells.
Fluorescent Standards <ul style="list-style-type: none"> • High stability • Wide spectral, lifetime, and polarization range 	Fluorescence quantum yield, fluorescence lifetime, and polarization standards for calibration and validation of fluorescence instruments and luminescence readers, serving as reference materials for fluorometric measurements.
Ask us about other products	1-217-417-2160 or support@setabiomedicals.com
In addition, SETA BioMedicals provides: <ul style="list-style-type: none"> • Custom synthesis of dyes, as well as fluorescently labeled drugs, oligonucleotides, peptides, proteins, and antibodies. • Development of fluorescent tools tailored to your specific application needs. • Free consultations on the use of SETA products for your applications. 	



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