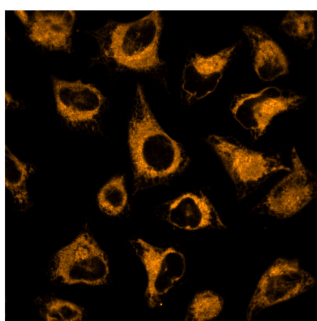




## Biosensis Tag-405 Luminescent Click-Chemistry Dye

<b>Catalogue No.:</b>	TR-604-TAG
<b>Description:</b>	TR-604-TAG is a luminescent tag that can be used as a conjugation reagent to azide-activated molecules for detection in cells or tissues. Azide-Alkyne cycloaddition "Click" chemistry is utilized to couple the terminal alkyne to an azide-functionalised molecule of interest, in the presence of catalytic copper. The reactions require simple or no workup or purification of the product. In unconjugated form, TR-604-TAG is a cell permeable fluorophore with large stoke shift and excellent resistance to photobleaching which makes it an ideal for fluorescence imaging and compatible with other commercially available fluorescent stains. TR-604-TAG is manufactured by ReZolve Scientific
<b>Batch No.:</b>	Please refer to the product label.
<b>Unit size:</b>	0.5 mg
<b>Applications:</b>	Sample types are user-defined. TR-604-TAG is a luminescent probe for copper-facilitated "Click" reactions with azide-activated molecules. Refer to the product manual for correct handling. In unconjugated form, TR-604-TAG is cell-permeable and can be used for fluorescence imaging (Ex/Em: 405 nm / 570 nm).
<b>Specificity:</b>	"Click" chemistry reagent for conjugation to azide-activated target molecule. Unconjugated TR-604-TAG is cell-permeable and accumulate intracellularly.
<b>Reconstitution:</b>	Spin vial briefly before opening. TR-604-TAG is soluble in both CH <sub>2</sub> Cl <sub>2</sub> and DMF. It is insoluble in H <sub>2</sub> O. The choice of solvent system depends on the solubility of the azide used. If an organic soluble azide is used, then there is no need to include H <sub>2</sub> O in the initial reaction mixture. However, H <sub>2</sub> O will still be required in order to solubilise sodium ascorbate and CuSO <sub>4</sub> x 5 H <sub>2</sub> O prior to addition. Refer to the product manual for coupling of both soluble and non-soluble azide derivatives or azide-functionalized molecules.
<b>Storage:</b>	Product is shipped at room temperature. Store lyophilised product at room temperature, properly sealed and protected from light. Reconstituted dye should be used immediately and not stored for later use.
<b>Expiry Date:</b>	Lyophilised product is stable for 6 months at room temperature if protected from light.
<b>Reagent Kit protocol:</b>	Please refer to our online product listing for current protocol/MSDS versions.
<b>MSDS:</b>	Please refer to our online product listing for current protocol/MSDS versions.



TR-604-TAG, a cell-permeable luminescent alkyne useful for copper-facilitated "click" reactions.

FOR RESEARCH USE ONLY