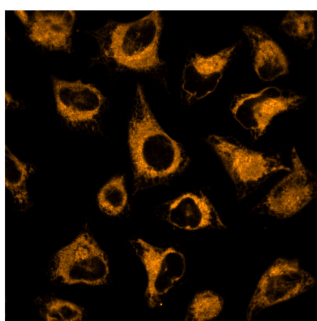




Biosensis Tag-405 Luminescent Click-Chemistry Dye

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|------------------------------|--|
| Catalogue No.: | TR-604-TAG |
| Description: | 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 |
| Batch No.: | Please refer to the product label. |
| Unit size: | 0.5 mg |
| Applications: | 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). |
| Specificity: | "Click" chemistry reagent for conjugation to azide-activated target molecule. Unconjugated TR-604-TAG is cell-permeable and accumulate intracellularly. |
| Reconstitution: | Spin vial briefly before opening. TR-604-TAG is soluble in both CH ₂ Cl ₂ and DMF. It is insoluble in H ₂ 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 ₂ O in the initial reaction mixture. However, H ₂ O will still be required in order to solubilise sodium ascorbate and CuSO ₄ x 5 H ₂ O prior to addition. Refer to the product manual for coupling of both soluble and non-soluble azide derivatives or azide-functionalized molecules. |
| Storage: | 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. |
| Expiry Date: | Lyophilised product is stable for 6 months at room temperature if protected from light. |
| Reagent Kit protocol: | Please refer to our online product listing for current protocol/MSDS versions. |
| MSDS: | 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