

Product Information

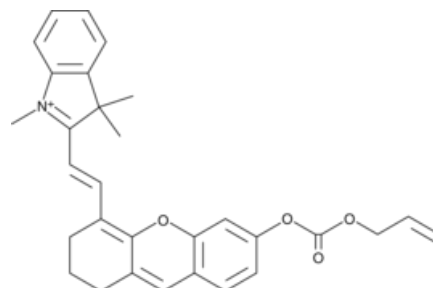


CAY10737

Cat No: 27026 - 500 µg

General Data

| | |
|--------------|---------------------|
| Shipping: | dry ice |
| Formulation: | A crystalline solid |
| Purity: | ≥95% |



Product Overview

CAY10737 is a turn-on fluorescent probe for the detection of carbon monoxide (CO).{51116} It is selective for CO over a variety of anions, amino acids, amines, biothiols, and reactive species. In the presence of palladium (Pd) and CO, CAY10737 undergoes the Pd⁰-mediated Tsuji-Trost reaction to release a fluorescent compound that has absorption and emission maxima of 678/714 nm, respectively. This fluorescence can be used to detect CO production in vitro and in vivo. CAY10737 has low cytotoxicity, decreasing viability of HeLa cells by less than 25% when used at a concentration of 50 µM with PdCl₂ for 24 hours.

FP/01/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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