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**Product Data Sheet**

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Product Name: BODIPY FL L-Cystine

Cat. No.: GC67874

**Chemical Properties**

Cas. No. 1180490-57-6

Formula  $C_{34}H_{38}B_2F_4N_6O_6S_2$ 

M.Wt 788.45

Solubility DMSO : 73.33 mg/mL (93.01 mM; Need ultrasonic)

Storage 4°C, away from moisture and light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

BODIPY FL L-Cystine is a thiol-reactive, green-fluorescent dye. BODIPY FL L-Cystine can be the labeling of membrane proteins, proteins with hydrophobic binding sites, or hydrophobic ligands. ( $\lambda_{ex}=504$  nm,  $\lambda_{em}=511$  nm)[1][2].

[1]. Hofmann L, et, al. An effective thiol-reactive probe for differential scanning fluorimetry with a standard real-time polymerase chain reaction device. Anal Biochem. 2016 Apr 15;499:63-65.

[2]. Kumar D, et, al. Glutathione-mediated release of Bodipy® from PEG cofunctionalized gold nanoparticles. Int J Nanomedicine. 2012;7:4007-22.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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