

Product Data Sheet

Product Name: BDP FL maleimide

Cat. No.: GC59043

Chemical Properties

Cas. No. 773859-49-7

Formula $C_{20}H_{21}BF_2N_4O_3$ M.Wt 414.21

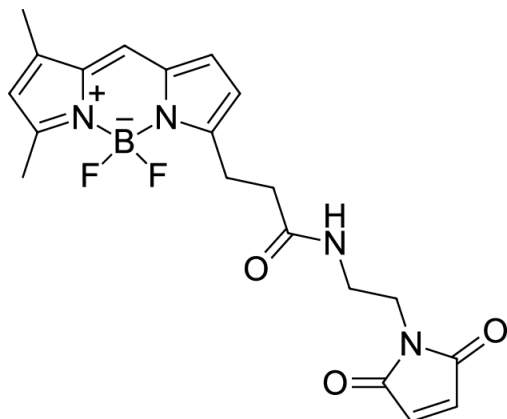
Solubility Good in organic solvents (DMF, DMSO), limited in water

Storage Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Thiol reactive BDP FL maleimide is a reactive dye for protein labeling, which has identical structure with BODIPY® FL maleimide.

BDP FL is a borondipyrromethene dye which has absorption and fluorescence spectra similar to fluorescein (FAM). However, this dye exhibits very high photostability. It is non-charged, and has low molecular weight. Its brightness is similar to fluorescein, R110 and xanthene dye derivatives like

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Alexa Fluor® 488.

This fluorophore is ideal for fluorescent microscopy and many other applications. The fluorophore can substitute fluorescein for almost any application, and it is compatible with any FAM-capable fluorescent instrumentation.

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