
Product Data Sheet

Product Name: DFHBI-2T
Cat. No.: GC64731

Chemical Properties

Cas. No. 1539318-40-5

Formula $C_{12}H_7F_5N_2O_2$

M.Wt 306.19

Solubility DMSO : 100 mg/mL (326.59 mM; Need ultrasonic)

Storage 2-8°C, protect from 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

DFHBI-2T is a membrane-permeable RNA aptamers-activated fluorescence probe (ex/em=500 nm/523 nm). DFHBI-2T is used to image RNA in live cells[1][2].

Spinach2 imaged DFHBI-2T results in fluorescence that is detectable using the yellow emission channel[2].

[1]. Wenjiao Song, et al. Plug-and-play fluorophores extend the spectral properties of Spinach. J Am Chem Soc. 2014 Jan 29;136(4):1198-201.

[2]. Robert J Trachman 3rd, et al. Structural Principles of Fluorescent RNA Aptamers. Trends Pharmacol Sci. 2017 Oct;38(10):928-939.

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

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