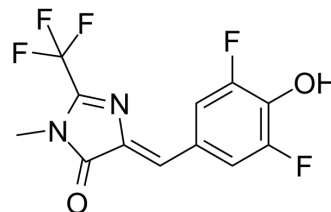


## DFHBI-2T

Cat. No.:	HY-110251A
CAS No.:	1539318-40-5
Molecular Formula:	C <sub>12</sub> H <sub>7</sub> F <sub>5</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	306.19
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1][2]</sup> .
<b>In Vitro</b>	Spinach2 imaged DFHBI-2T results in fluorescence that is detectable using the yellow emission channel <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [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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